

JVC

SERVICE MANUAL

COLOUR TELEVISION

AV-28NH4SU



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SPECIFICATION

Item	Content	
Dimensions (W × H × D)	74.4cm × 59.6cm × 48.0cm	
Mass	31.5kg	
TV RF System	CCIR (B/G, D/K, I, L/L')	
Colour System	PAL / SECAM / NTSC (Only in EXT mode)	
Stereo System	A2 (B/G, D/K) / NICAM (B/G, I, D/K, L)	
Teletext System	FLOF (Fastext) TOP (German system) WST (World standard system)	
Receiving Frequency	VHF	47MHz ~ 470MHz
	UHF	470MHz ~ 862MHz
	French CATV	116MHz ~ 172MHz / 220MHz ~ 469MHz
Intermediate Frequency	VIF	38.9MHz (B/G, D/K, I, L) / 33.95MHz (L')
	SIF	33.4MHz (5.5MHz:B/G) / 32.9MHz (6.0MHz:I) / 32.4MHz (6.5MHz:L, D/K) / 40.45MHz (6.5MHz:L')
Colour Sub Carrier Frequency	PAL	4.43MHz
	SECAM	4.40625MHz / 4.25MHz
	NTSC	3.58MHz / 4.43MHz
Power Input	AC220V ~ AC240V, 50Hz	
Power Consumption	74W (stand-by: 3W)	
Aerial Input Terminal	75Ω unbalanced, coaxial	
Picture Tube	Visible size : 66cm (Measured diagonally)	
Audio Power Output	7W + 7W (Rated)	
EXT-1 / EXT-2 (Input / Output)	21-pin Euro connector (SCART socket × 2)	
EXT-3 (Input)	Video	1V(p-p), 75Ω (RCA pin jack × 1)
	Audio (L/R)	500mV(rms) (-4dBs), High impedance (RCA pin jack × 2)
Headphone Jack	3.5mm stereo mini jack × 1	
Remote Control Unit	RM-C1514 (AA/R6 dry battery × 2)	

Design & specifications are subject to change without notice.

SECTION 1

PRECAUTION

1.1 SAFETY PRECAUTIONS

- (1) The design of this product contains special hardware, many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Service should be performed by qualified personnel only.
- (2) Alterations of the design or circuitry of the products should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the manufacturer of responsibility for personal injury or property damage resulting therefrom.
- (3) Many electrical and mechanical parts in the products have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the parts list of Service manual. **Electrical components having such features are identified by shading on the schematics and by (Δ) on the parts list in Service manual.** The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement part shown in the parts list of Service manual may cause shock, fire, or other hazards.
- (4) **Don't short between the LIVE side ground and ISOLATED (NEUTRAL) side ground or EARTH side ground when repairing.**
Some model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE : (⊥) side GND, the ISOLATED (NEUTRAL) : (≠) side GND and EARTH : (⊕) side GND.
Don't short between the LIVE side GND and ISOLATED (NEUTRAL) side GND or EARTH side GND and never measure the LIVE side GND and ISOLATED (NEUTRAL) side GND or EARTH side GND at the same time with a measuring apparatus (oscilloscope etc.). If above note will not be kept, a fuse or any parts will be broken.
- (5) If any repair has been made to the chassis, it is recommended that the B1 setting should be checked or adjusted (See B1 POWER SUPPLY check).
- (6) The high voltage applied to the picture tube must conform with that specified in Service manual. Excessive high voltage can cause an increase in X-Ray emission, arcing and possible component damage, therefore operation under excessive high voltage conditions should be kept to a minimum, or should be prevented. If severe arcing occurs, remove the AC power immediately and determine the cause by visual inspection (incorrect installation, cracked or melted high voltage harness, poor soldering, etc.). To maintain the proper minimum level of soft X-Ray emission, components in the high voltage circuitry including the picture tube must be the exact replacements or alternatives approved by the manufacturer of the complete product.
- (7) Do not check high voltage by drawing an arc. Use a high voltage meter or a high voltage probe with a VTVM. Discharge the picture tube before attempting meter connection, by connecting a clip lead to the ground frame and connecting the other end of the lead through a $10k\Omega$ $2W$ resistor to the anode button.

(8) When service is required, observe the original lead dress. Extra precaution should be given to assure correct lead dress in the high voltage circuit area. Where a short circuit has occurred, those components that indicate evidence of overheating should be replaced. Always use the manufacturer's replacement components.

(9) Isolation Check (Safety for Electrical Shock Hazard)

After re-assembling the product, always perform an isolation check on the exposed metal parts of the cabinet (antenna terminals, video/audio input and output terminals, Control knobs, metal cabinet, screw heads, earphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock.

a) Dielectric Strength Test

The isolation between the AC primary circuit and all metal parts exposed to the user, particularly any exposed metal part having a return path to the chassis should withstand a voltage of 3000V AC (r.m.s.) for a period of one second. (.... Withstand a voltage of 1100V AC (r.m.s.) to an appliance rated up to 120V, and 3000V AC (r.m.s.) to an appliance rated 200V or more, for a period of one second.) This method of test requires a test equipment not generally found in the service trade.

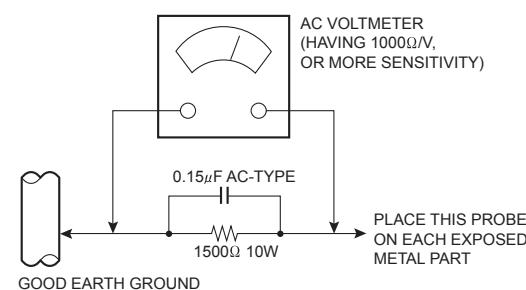
b) Leakage Current Check

Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Using a "Leakage Current Tester", measure the leakage current from each exposed metal part of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground (water pipe, etc.). Any leakage current must not exceed 0.5mA AC (r.m.s.). However, in tropical area, this must not exceed 0.2mA AC (r.m.s.).

Alternate Check Method

Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Use an AC voltmeter having 1000Ω per volt or more sensitivity in the following manner. Connect a 1500Ω $10W$ resistor paralleled by a $0.15\mu F$ AC-type capacitor between an exposed metal part and a known good earth ground (water pipe, etc.). Measure the AC voltage across the resistor with the AC voltmeter. Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Any voltage measured must not exceed 0.75V AC (r.m.s.). This corresponds to 0.5mA AC (r.m.s.).

However, in tropical area, this must not exceed 0.3V AC (r.m.s.). This corresponds to 0.2mA AC (r.m.s.).



SECTION 2

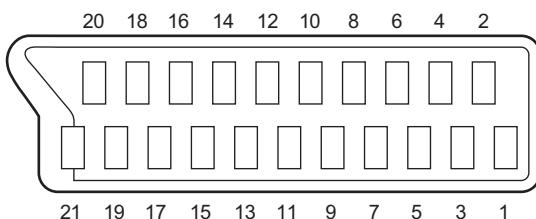
SPECIFIC SERVICE INSTRUCTIONS

2.1 21-pin Euro connector (SCART) : EXT-1/EXT-2

Pin No.	Signal designation	Matching value	EXT-1	EXT-2
1	AUDIO R output	500mV(rms) (Nominal), Low impedance	Used (TV OUT)	Used (LINE OUT)
2	AUDIO R input	500mV(rms) (Nominal), High impedance	Used (R1)	Used (R2)
3	AUDIO L output	500mV(rms) (Nominal), Low impedance	Used (TV OUT)	Used (LINE OUT)
4	AUDIO GND	---	Used	Used
5	GND (B)	---	Used	Used
6	AUDIO L input	500mV(rms) (Nominal), High impedance	Used (L1)	Used (L2)
7	B input	700mV _(B-W) , 75 Ω	Used	NC
8	FUNCTION SW(SLOW SW)	Low : 0V-3V High : 8V-12V, High impedance	Used	NC
9	GND (G)	---	Used	NC
10	SCL / T-V LINK	---	Not used	NC
11	G input	700mV(B-W), 75 Ω	Used	NC
12	SDA	---	Not used	NC
13	GND (R)	---	Used	Used
14	GND (YS)	---	Used	Used
15	R / C input	R : 700mV _(B-W) , 75 Ω C : 300mV _(P-P) , 75 Ω	Used (R)	Used (C)
16	Ys input (FAST SW)	Low : 0V-0.4V High : 1V-3V, 75 Ω	Used	NC
17	GND (VIDEO output)	---	Used	Used
18	GND (VIDEO input)	---	Used	Used
19	VIDEO output	1V _(P-P) (Negative sync), 75 Ω	Used (TV OUT)	Used (LINE OUT)
20	VIDEO / Y input	1V _(P-P) (Negative sync), 75 Ω	Used	Used
21	COMMON GND	---	Used	Used

(P-P= Peak to Peak, B-W= Blanking to white peak)

[Pin assignment]



SECTION 3 DISASSEMBLY

3.1 DISASSEMBLY PROCEDURE

3.1.1 REMOVING THE REAR COVER

- (1) Unplug the power cord.
- (2) Remove the 8 screws [A].
- (3) Remove the 1 screw [B].
- (4) Withdraw the REAR COVER toward you.

3.1.2 REMOVING THE MAIN PWB

- Remove the REAR COVER.
- (1) Slightly raise the both sides of the chassis by hand and Withdraw the MAIN PWB backward.
(If necessary, take off the wire clamp, connectors etc.)

3.1.3 REMOVING THE SIDE SPEAKER

- Remove the REAR COVER.
- (1) Remove the 4 screws [C], attaching the SPEAKER.
- (2) Follow the same steps when removing the other hand SPEAKER.

3.1.4 CHECKING THE PW BOARD

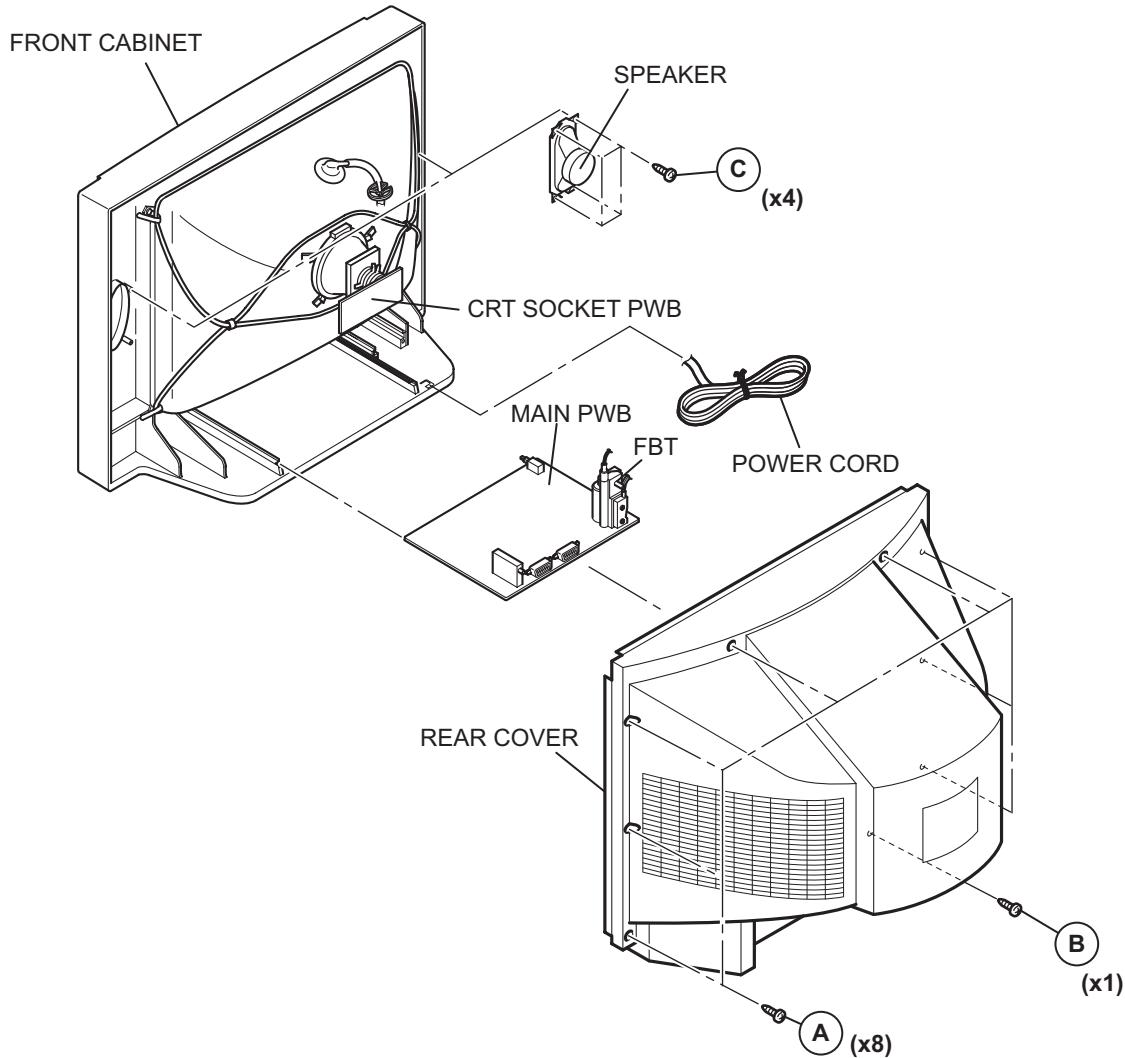
- To check the back side of the PW Board.
- (1) Pull out the MAIN PWB. (Refer to REMOVING THE MAIN PWB).
- (2) Erect the MAIN PWB vertically so that you can easily check the back side of the PW Board.

CAUTION:

- When erecting the MAIN PWB, be careful so that there will be no contacting with other PW Board.
- Before turning on power, make sure that the wire connector is properly connected.
- When conducting a check with power supplied, be sure to confirm that the CRT EARTH WIRE (BRAIDED ASS'Y) is connected to the CRT SOCKET PWB.

3.1.5 WIRE CLAMPING AND CABLE TYING

- Be sure to clamp the wire.
- Never remove the cable tie used for tying the wires together.
- Should it be inadvertently removed, be sure to tie the wires with a new cable tie.



3.2 REPLACEMENT OF MEMORY IC

3.2.1 MEMORY IC

This TV use memory IC. In the memory IC, there are memorized data for correctly operating the video and deflection circuits. When replacing memory IC with a blanking memory IC, the set is automatically memorized following SERVICE MANU initial data.

3.2.2 SERVICE MENU ADJUSTMENT ITEMS

There are 22 SERVICE ADJUSTMENT ITEMS. After replacing memory IC, automatically memorized following initial data.

No.	Adjustment item	Initial data
1	HOR CEN	-00144
2	RED GAIN	+00380
3	GRN GAIN	+00360
4	BLUE GAIN	+00380
5	RED BIAS	+00256
6	GRN BIAS	+00256
7	AGC LEVEL	+00035
8	G2-SCREEN	+00032
9	AFT	+00032
10	OPTION 1	0011 1100
11	OPTION 2	0100 0010
12	AVL	OFF
13	PARABOLA	+00250
14	HOR WIDTH	-00093
15	CORNER T	-00053
16	CORNER B	+00043
17	HOR PARAL	+00001
18	V. LINEAR	+00005
19	EW TRAPEZ	+00035
20	S CORRECT	+00130
21	VERT CENT	+00008
22	VERT SIZE	+00040

3.2.3 FACTORY SETTING

3.2.3.1 FRONT BUTTON SETTING AND INITIAL SEETING

Item	Value
MAIN POWER	OFF(SUB POWER ON)
PR POSITION	01
INPUT MODE	TV
LANGUAGE	ENGLISH

3.2.3.2 USER MENU SETTING

Item	Value
PICTURE	
PICTURE SETTING	NOMAL1
NOISE RED	WEAK
SOUND	
VOLUME	18
BALANCE	Center
TREBLE	Center
FEATURES	
CHILD LOCK	OFF
ZOOM AUTO	4:3

3.3 REPLACEMENT OF CHIP COMPONENT

3.3.1 CAUTIONS

- (1) Avoid heating for more than 3 seconds.
- (2) Do not rub the electrodes and the resist parts of the pattern.
- (3) When removing a chip part, melt the solder adequately.
- (4) Do not reuse a chip part after removing it.

3.3.2 SOLDERING IRON

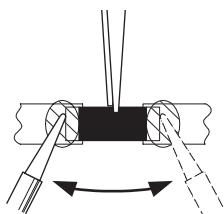
- (1) Use a high insulation soldering iron with a thin pointed end of it.
- (2) A 30w soldering iron is recommended for easily removing parts.

3.3.3 REPLACEMENT STEPS

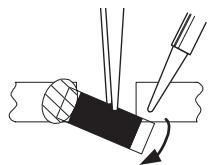
1. How to remove Chip parts

[Resistors, capacitors, etc.]

- (1) As shown in the figure, push the part with tweezers and alternately melt the solder at each end.

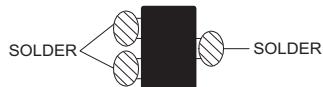


- (2) Shift with the tweezers and remove the chip part.

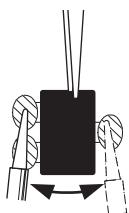


[Transistors, diodes, variable resistors, etc.]

- (1) Apply extra solder to each lead.



- (2) As shown in the figure, push the part with tweezers and alternately melt the solder at each lead. Shift and remove the chip part.



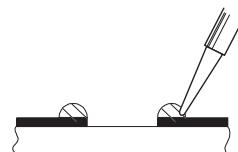
NOTE :

After removing the part, remove remaining solder from the pattern.

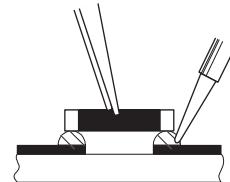
2. How to install Chip parts

[Resistors, capacitors, etc.]

- (1) Apply solder to the pattern as indicated in the figure.



- (2) Grasp the chip part with tweezers and place it on the solder. Then heat and melt the solder at both ends of the chip part.

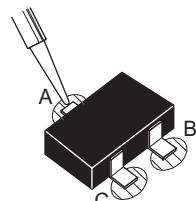


[Transistors, diodes, variable resistors, etc.]

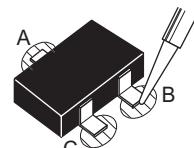
- (1) Apply solder to the pattern as indicated in the figure.

- (2) Grasp the chip part with tweezers and place it on the solder.

- (3) First solder lead **A** as indicated in the figure.



- (4) Then solder leads **B** and **C**.



SECTION 4 ADJUSTMENT

4.1 ADJUSTMENT PREPARATION

- (1) There are 2 ways of adjusting this TV : One is with the REMOTE CONTROL UNIT and the other is the conventional method using adjustment parts and components.
- (2) Make sure that connection is correctly made AC to AC power source.
- (3) Turn on the power of the TV and measuring instruments for warming up for at least 30 minutes before starting adjustments.
- (4) If the receive or input signal is not specified, use the most appropriate signal for adjustment.
- (5) Never touch the parts (such as variable resistors, transformers and condensers) not shown in the adjustment items of this service adjustment.

4.2 MEASURING INSTRUMENT AND FIXTURES

- (1) DC voltmeter (or digital voltmeter)
- (2) Signal generator (Pattern generator : PAL / SECAM / NTSC)
- (3) Remote control unit

4.3 BASIC OPERATION OF SERVICE MENU

4.3.1 TOOL OF SERVICE MENU OPERATION

Operate the SERVICE MENU with the REMOTE CONTROL UNIT.

4.3.2 SERVICE ADJUSTMENT ITEMS

There are 22 adjustment items.

No.	Adjustment item	No.	Adjustment item
1	HOR CEN	12	AVL
2	RED GAIN	13	PARABOLA
3	GRN GAIN	14	HOR WIDTH
4	BLUE GAIN	15	CORNER T
5	RED BIAS	16	CORNER B
6	GRN BIAS	17	HOR PARAL
7	AGC LEVEL	18	V. LINEAR
8	G2-SCREEN	19	EW TRAPEZ
9	AFT	20	S CORRECT
10	OPTION 1	21	VERT CENT
11	OPTION 2	22	VERT SIZE

4.3.3 HOW TO ENTER SERVICE MENU

- (1) Press [*i*](Information) key and [*☒*](Muting) key same time then enter SERVICE MENU.
- (2) Adjust sharpness to minimum and exit all menus.
- (3) Within 2 seconds press the key sequence [RED]-[GREEN]-[MENU]key.

4.3.4 SELECTION OF ADJUSTMENT ITEMS

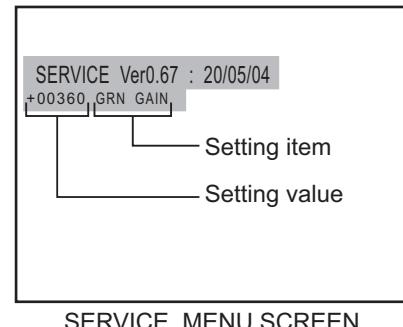
- (1) Press [*▲*]/[*▼*] keys of the REMOTE CONTROL UNIT and select adjustment item.

4.3.5 SETTING OF ADJUSTMENT ITEMS

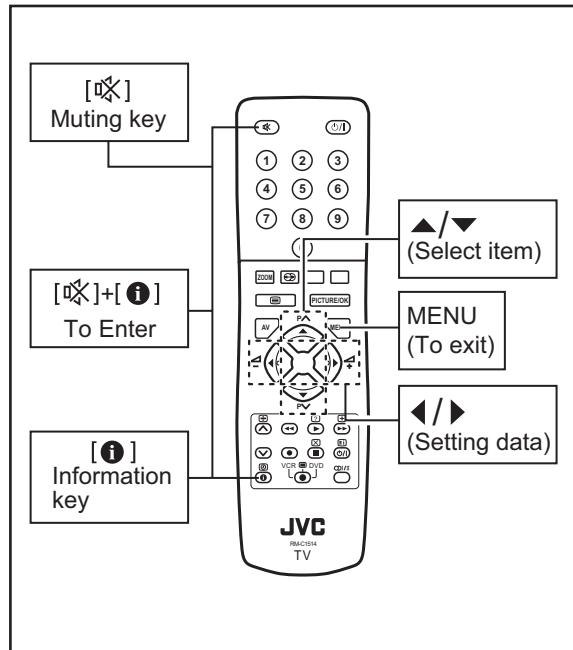
- (1) Press [*◀*]/[*▶*] keys of the REMOTE CONTROL UNIT and setting value of adjustment items.

4.3.6 HOW TO EXIT SERVICE MENU

- (1) Press [MENU] key, then exit SERVICE MENU.



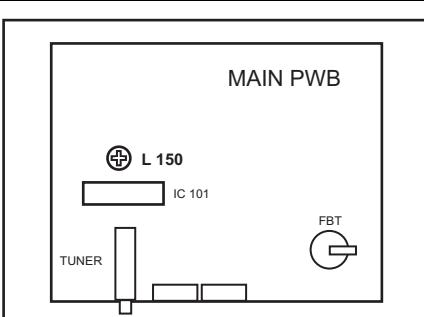
SERVICE MENU SCREEN



REMOTE CONTROLLER KEY

4.4 ADJUSTMENT PROCEDURE

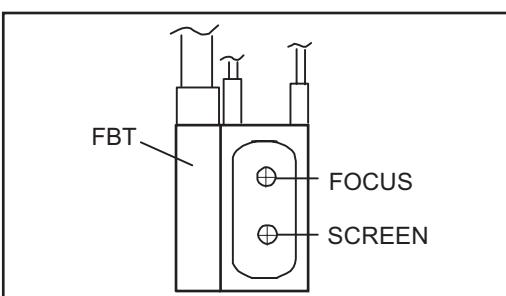
4.4.1 LOCAL OSCILLATOR ADJUSTMENT

Item	Measuring instrument	Test point	Adjustment part	Description
AFT adjustment	Signal generator Remote control unit		AFT Adjustment coil : L150 [MAIN PWB]	<p>(1) Receive a colour bar pattern signal. (2) The frequency of the signal carrier must be accurate (Max +/-10kHz deviation from the nominal channel frequency). (3) Select < AFT >. (4) Adjust the adjustment coil (L150) to bring the cursor to central position.</p> 

4.4.2 AGC

Item	Measuring instrument	Test point	Adjustment part	Description
AGC adjustment	Signal generator Remote control unit		AGC	<p>(1) Receive a colour bar pattern signal. (2) Select < AGC >. (3) Press the [OK] key and wait until AGC level stabilize to the optimum value.</p>

4.4.3 FOCUS ADJUSTMENT

Item	Measuring instrument	Test point	Adjustment part	Description
FOCUS adjustment	Signal generator Remote control unit		FOCUS VR [On FBT]	<p>(1) Receive a crosshatch signal. (2) Adjust the FOCUS volume on the FBT to have the best resolution on the screen.</p> 

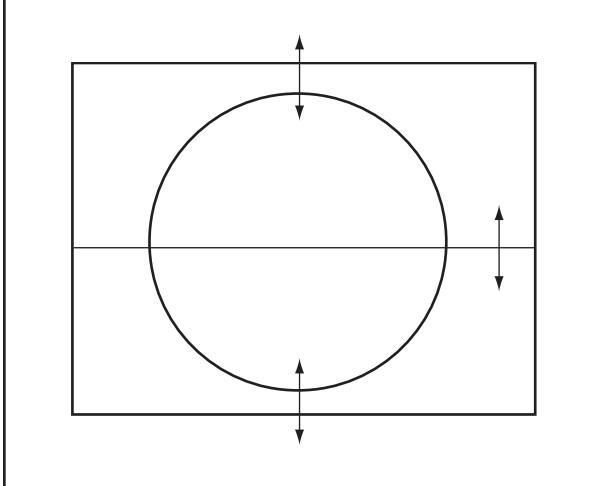
4.4.4 SCREEN ADJUSTMENT

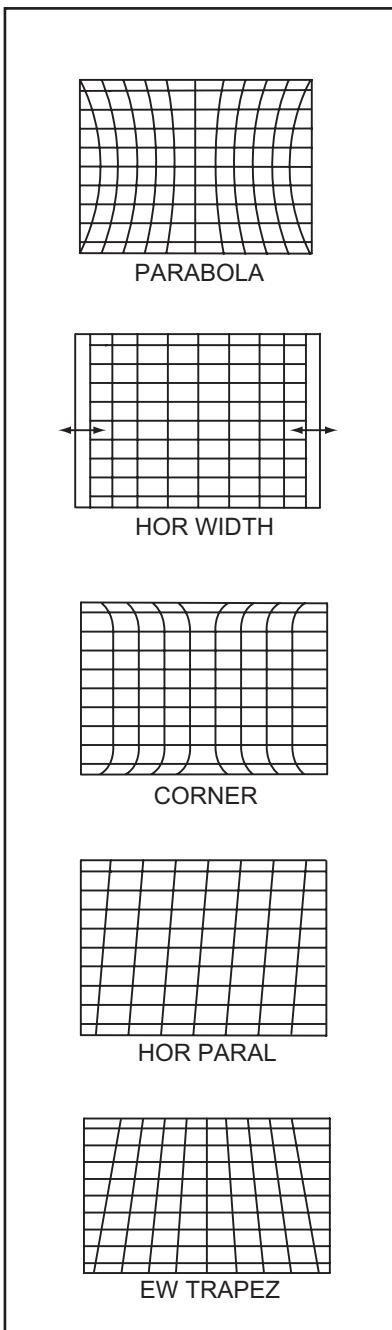
Item	Measuring instrument	Test point	Adjustment part	Description
SCREEN adjustment	Signal generator Remote control unit		G2-SCREEN SCREEN VR [FBT]	(1) Receive a colour bar pattern signal. (2) Select < G2-SCREEN >. (3) Adjust the SCREEN VR on the FBT to bring the cursor to central position.

4.4.5 WHITE BALANCE ADJUSTMENT

Item	Measuring instrument	Test point	Adjustment part	Description
WHITE BALANCE adjustment	Signal generator Remote control unit		RED BIAS GRN BIAS RED GAIN GRN GAIN BLUE GAIN	(1) Receive a black and white pattern signal (colour off). (2) Select < RED BIAS >, < GRN BIAS > and adjust the screen until the black portion in the screen becomes black. (3) Select < RED GAIN >, < GRN GAIN >, < BLUE GAIN > and adjust the screen until the white portion in the screen become white.

4.4.6 DEFLECTION CIRCUIT ADJUSTMENT

Item	Measuring instrument	Test point	Adjustment part	Description
VERTICAL GEOMETRY adjustment	Signal generator Remote control unit		V. LINEAR S CORRECT VERT SIZE VERT CENT	(1) Receive a circle pattern signal. (2) Select < V. LINEAR > (Vertical linearity), < S CORRECT > (S-shape correction), < VERT SIZE > (Vertical size), < VERT CENT > (Vertical center) respectively. (3) Adjust to compensate for vertical distortion.
				
HORIZONTAL POSITION adjustment	Signal generator Remote control unit		HOR CEN	(1) Receive a circle pattern signal. (2) Select < HOR CEN > (Horizontal center). (3) Adjust to have the picture in the center of the screen.

Item	Measuring instrument	Test point	Adjustment part	Description
HORIZONTAL SIZE/ SIDE PIN adjustment	Signal generator Remote control unit		PARABOLA HOR WIDTH CORNER HOR PARAL EW TRAPEZ	<p>(1) Receive a cross hatch pattern signal. (2) Select < PARABOLA >(Parabola), < HOR WIDTH > (Horizontal width), < CORNER >(Top/bottom corner), < HOR PARAL >(Horizontal parallel), < EW TRAPEZ >(East/west trapezium). (3) Adjust these items to compensate for geometrical distortion.</p>  <p>The diagram illustrates five different cross-hatch patterns used for testing and adjustment. The first pattern, labeled 'PARABOLA', shows a series of horizontal lines that curve upwards towards the right. The second pattern, labeled 'HOR WIDTH', shows a series of horizontal lines with a double-headed arrow indicating the width of the central horizontal band. The third pattern, labeled 'CORNER', shows a series of horizontal lines that curve downwards towards the left. The fourth pattern, labeled 'HOR PARAL', shows a series of horizontal lines that are slightly tilted to the right. The fifth pattern, labeled 'EW TRAPEZ', shows a series of horizontal lines that are significantly tilted to the right, forming a trapezoidal shape.</p>

SECTION 5

TROUBLE SHOOTING

This service manual does not describe TROUBLE SHOOTING.

JVC

SCHEMATIC DIAGRAMS

COLOR TELEVISION

AV-28NH4SU

CD-ROM No.SML200407



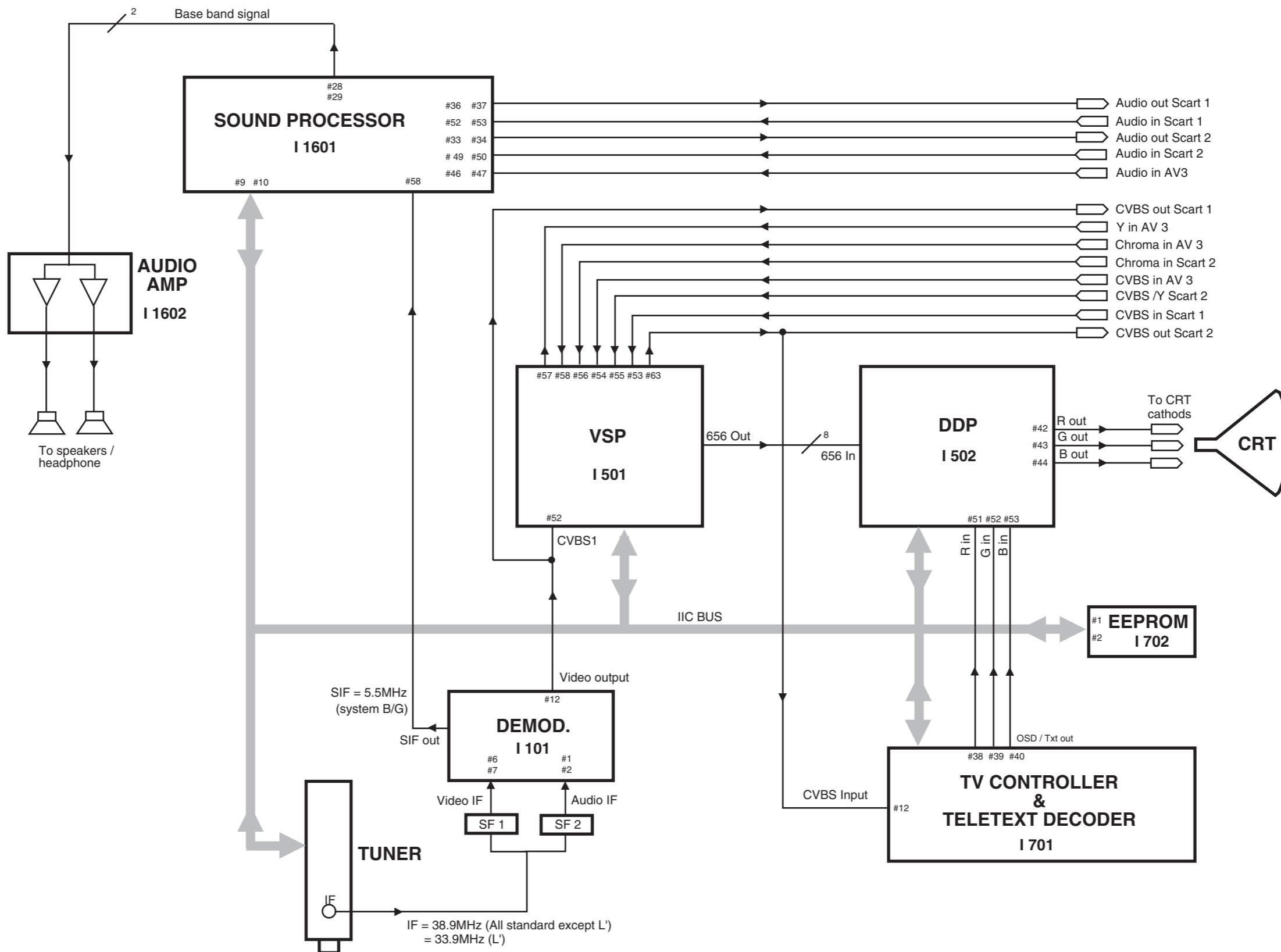
AV-28NH4SU

STANDARD CIRCUIT DIAGRAM

CONTENTS

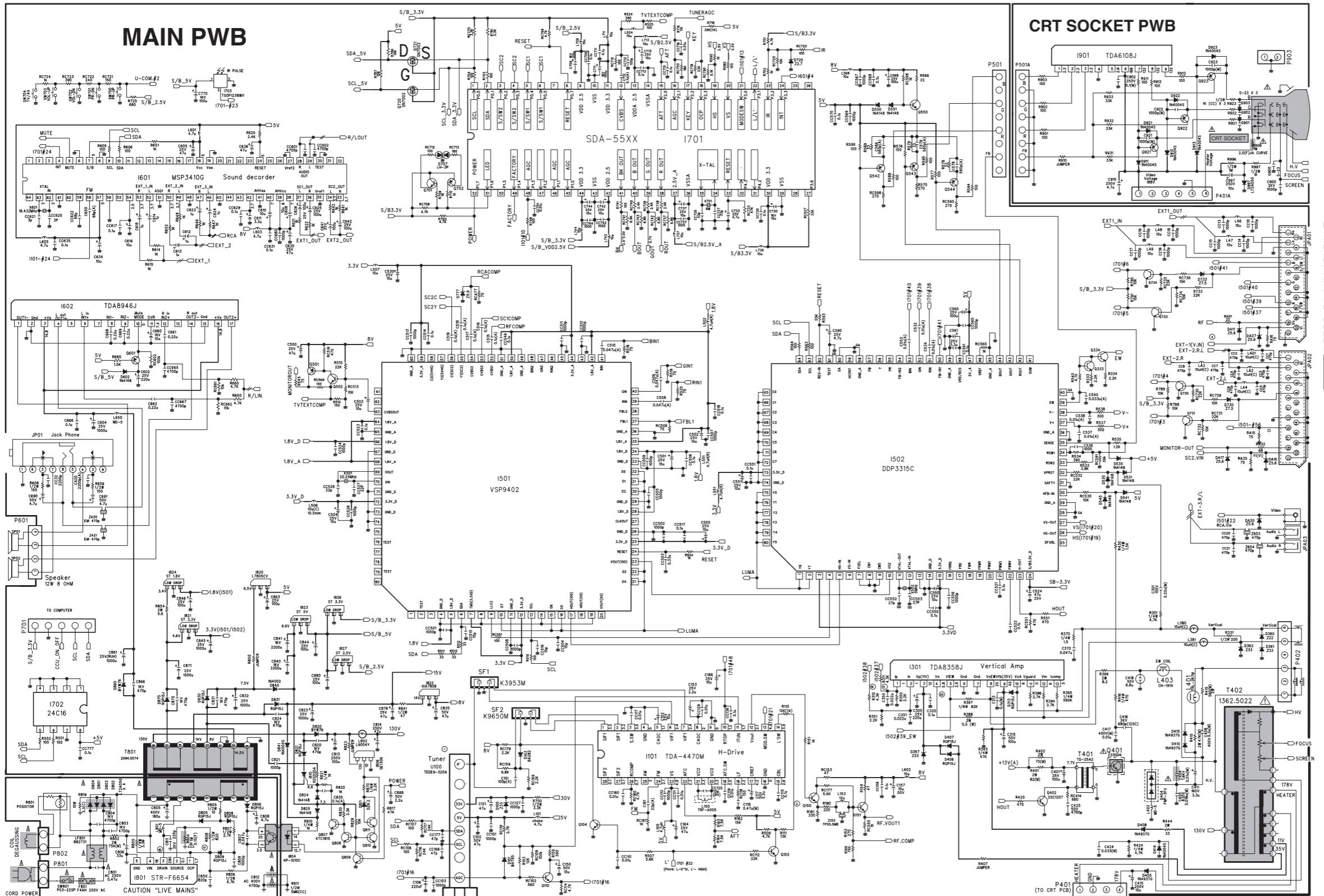
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MAIN PWB PATTERN	2-7
CRT SOCKET PWB PATTERN	2-9

BLOCK DIAGRAM



CIRCUIT DIAGRAMS

MAIN & CRT SOCKET PWB CIRCUIT DIAGRAM

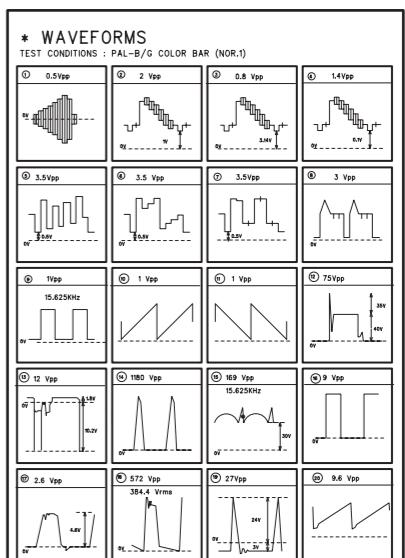


NOTE:
 1. RESISTANCE IS SHOWN IN OHM. K=1000, M=1000000
 2. UNLESS OTHERWISE NOTED IN SCHEMATIC ALL CAPACITOR VALUES ARE
 EXPRESSED IN μ F
 3. VOLTAGES READ WITH "VTVVM" FROM POINT INDICATED TO CHASSIS GROUND
 USING A COLOR BAR SIGNAL WITH ALL CONTROLS AT NORMAL LINE 230V AC
 4. THIS CIRCUIT DIAGRAM IS A STANDARD ONE CIRCUIT PRINTED MAY BE
 SUBJECT TO CHANGE FOR PRODUCT IMPROVEMENT WITHOUT PRIOR NOTICE

WARNING:
 BEFORE SERVICING THE CHASSIS, READ "X-RAY RADIATION", "SAFETY
 PRECAUTION", AND "PRODUCT SAFETY NOTICE" IN SERVICE MANUAL

CAUTION TO SERVICE TECHNICIANS:
 BEFORE RETURNING THE RECEIVER TO CUSTOMER, LEAKAGE CURRENT OR
 RESISTANCE MEASUREMENTS SHOULD BE PERFORMED TO DETERMINE THAT
 EXPOSED PARTS ARE PROPERLY INSULATED FROM THE SUPPLY CIRCUIT.

RESISTOR	CAPACITOR	COIL
CARBON FILM	ELECTRO	1/4W
R-M-Diode	CEMETIC	4W
CARBON COMP	CHROME	4W (C)
FUSIBLE	CC	4W (OH)
CEMENT	ELECTRO-NONPOLAR	4W (NP)
	MYLAR	4W (W)

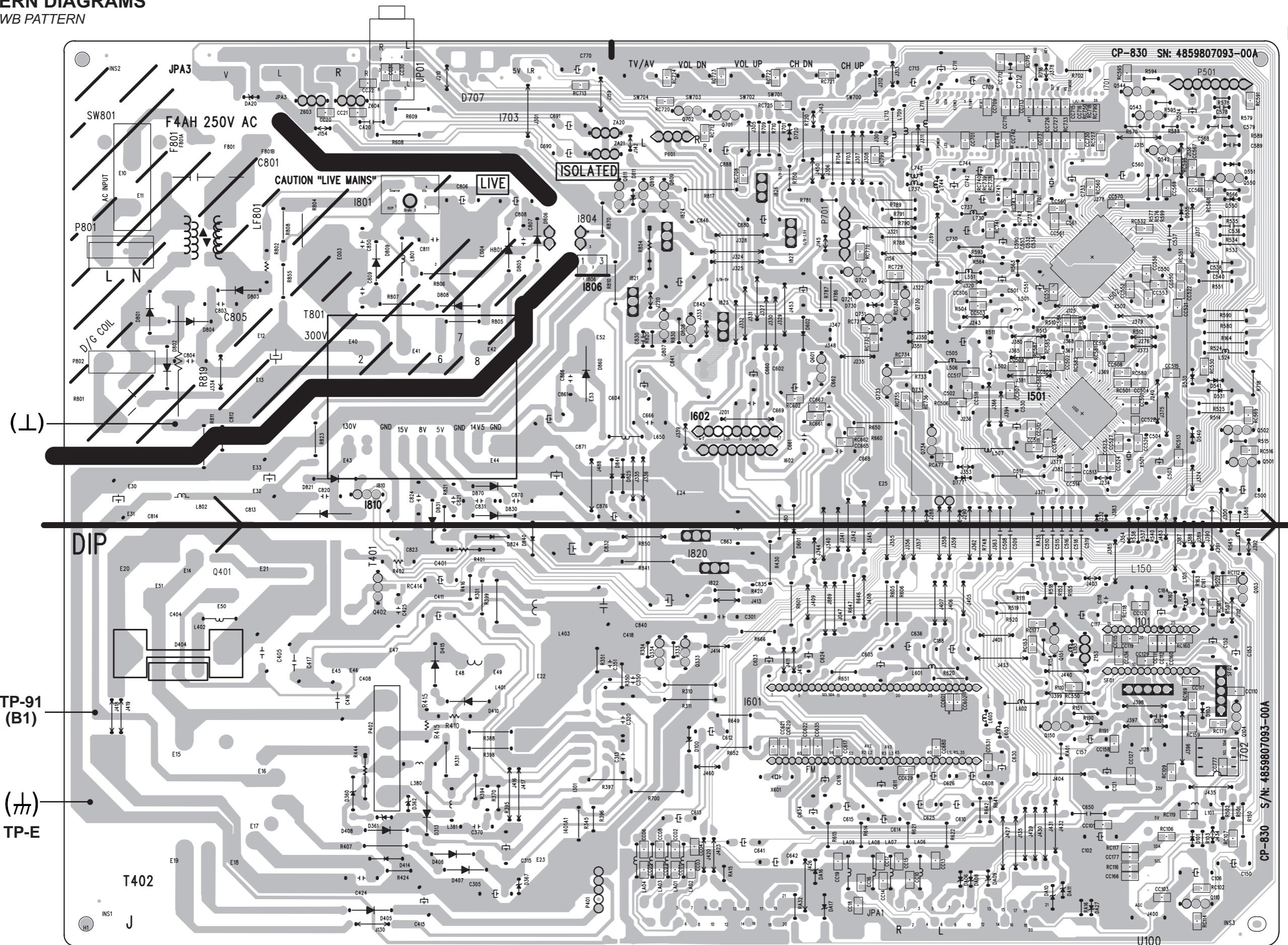


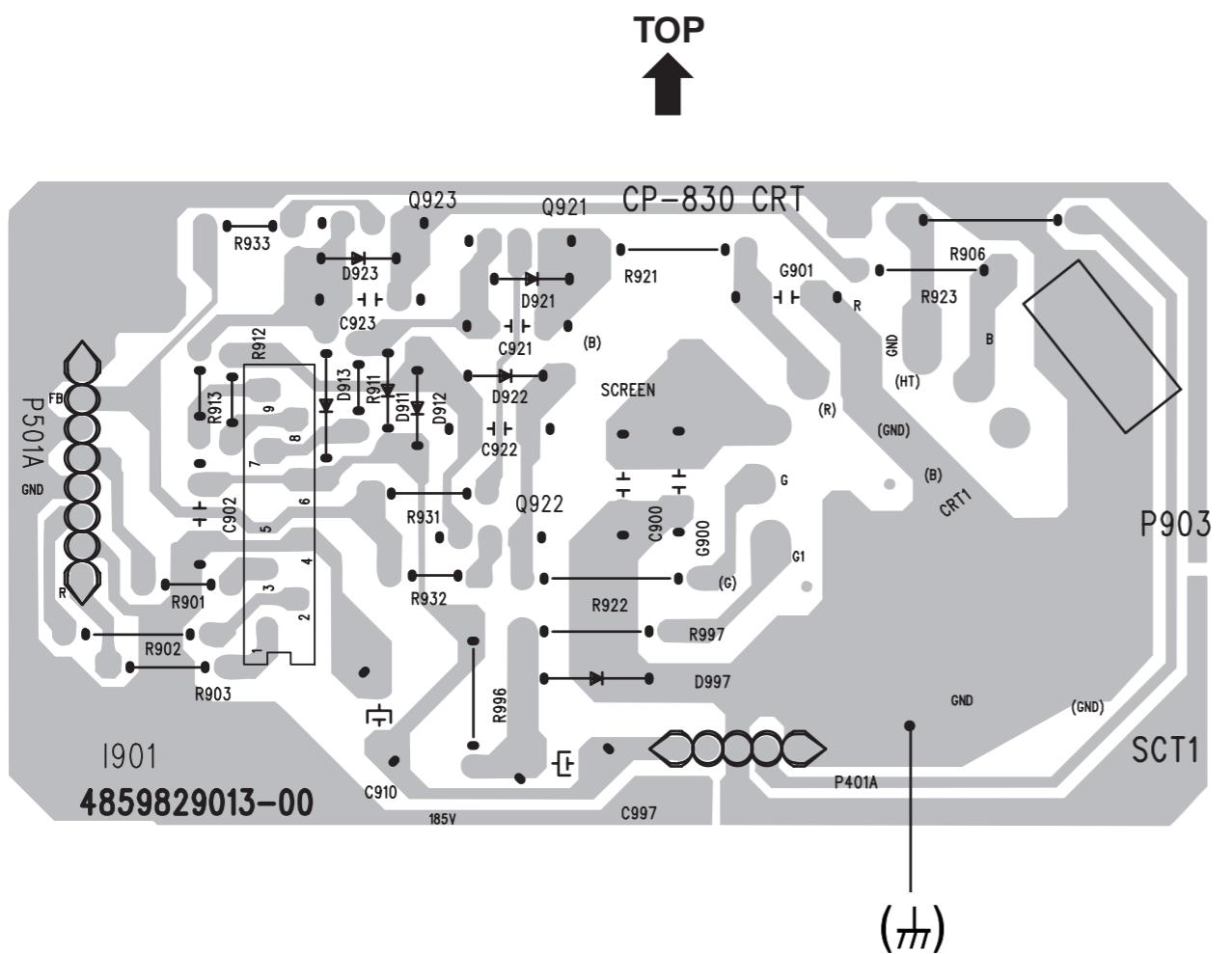
PRODUCT SAFETY NOTE :
 THE COMPONENTS MARKED WITH ARE IMPORTANT FOR MAINTAINING
 THE SAFETY OF THE SET AND SHOULD BE REPLACED ONLY WITH TYPES
 IDENTICAL TO THOSE IN THE ORIGINAL OR SPECIFIED ONE IN THE PART LIST.
 DON'T DEGRADE THE SAFETY OF THE SET THROUGH IMPROPER SERVICING.

PATTERN DIAGRAMS

MAIN PWB PATTERN

FRONT





PARTS LIST

CAUTION

- The parts identified by the  symbol are important for the safety. Whenever replacing these parts, be sure to use specified ones to secure the safety.
- The parts not indicated in this Parts List and those which are filled with lines — in the Parts No. columns will not be supplied.
- P. W. Board Ass'y will not be supplied, but those which are filled with the Parts No. in the Parts No. columns will be supplied.

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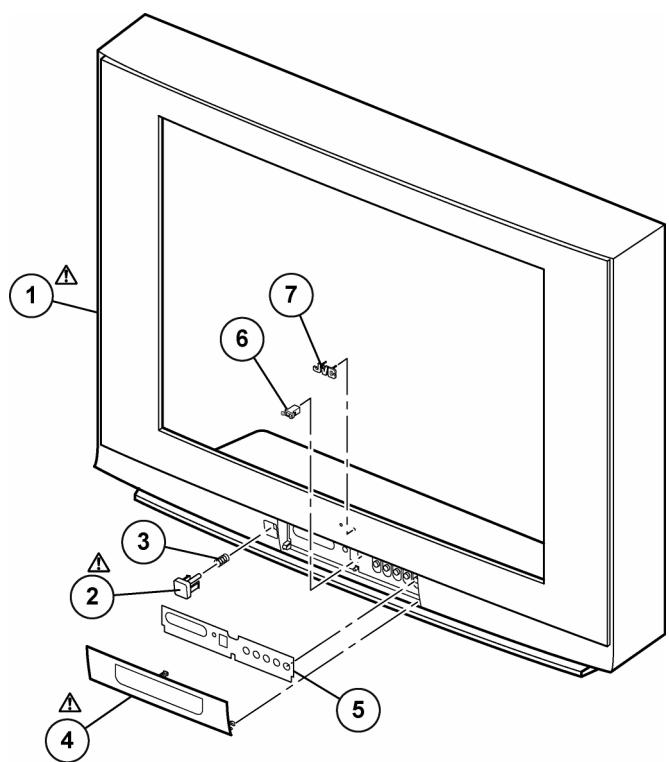
USING P.W. BOARD AND REMOTE CONTROL UNIT

PWB ASS'Y	Model
	AV-28NH4SU
MAIN PWB	PTMPMSD832J
CRT SOCKET PWB	PTCPMSD830
REMOTE CONTROL UNIT	48BC1514-- (RM-C1514)

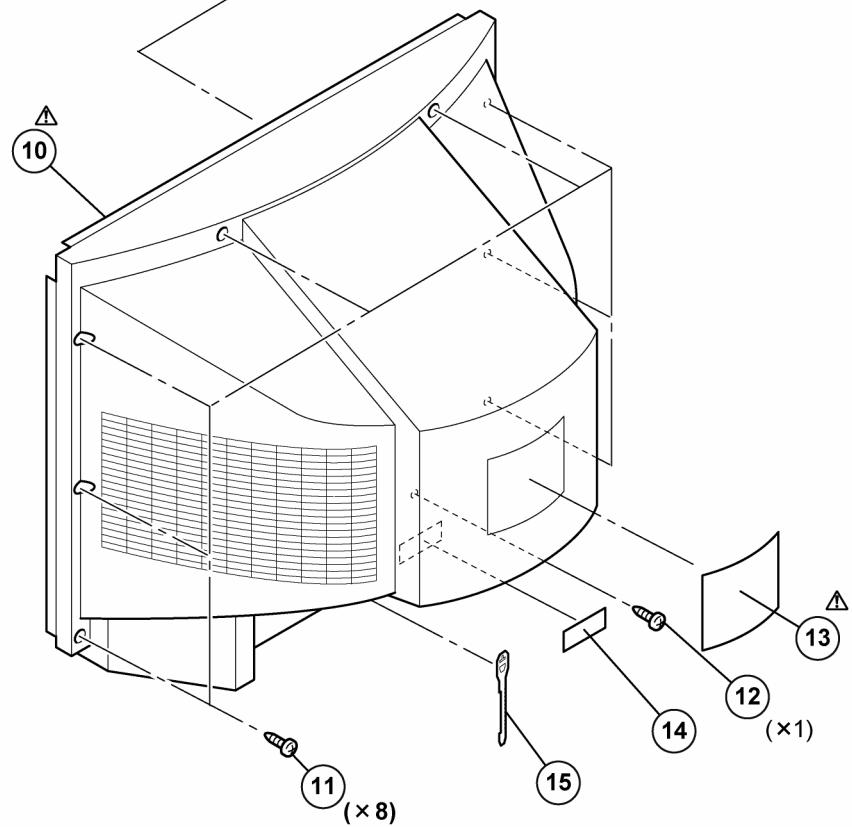
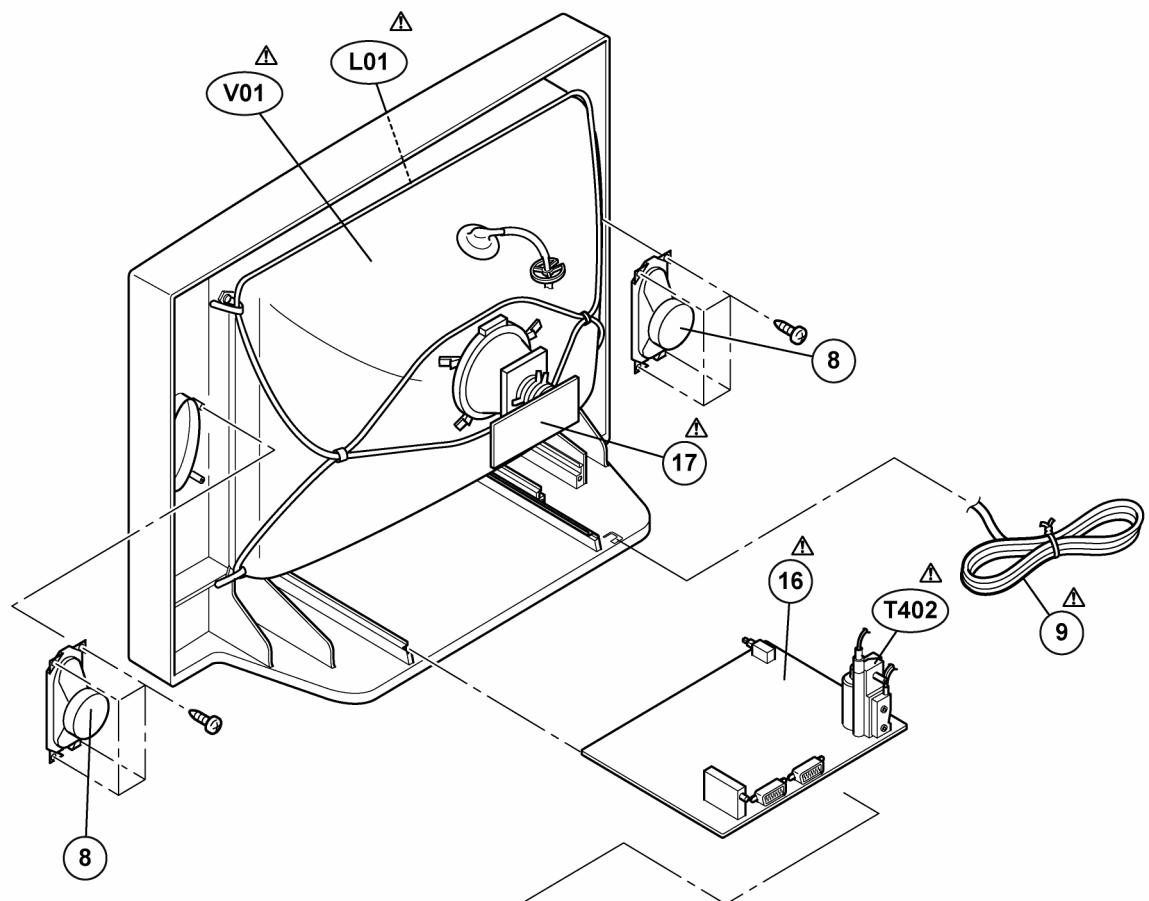
EXPLODED VIEW PARTS LIST

Ref.No.	Part No.	Part Name	Description
△ V01	4859636660	CRT (PHILIPS 28")	Inc. DEF YOKE, PC MAGNET
△ L01	58G0000125	COIL DEGAUSSING	
△ T402	50H0000252	FBT	
△ 1	4852084503	MASK FRONT	
△ 2	4854865203	BUTTON POWER	
3	4856716000	SPRING	
△ 4	4851949603	DOOR ASSY	
5	485506074101	DECO CONTROL	
6	4857923300	DOOR LOCK	
7	48556243SD01	MARK BRAND	
8	4858311110	SPEAKER	(x 2)
△ 9	4859906210	CORD POWER	
△ 10	4852163503	COVER BACK	
11	7172401612	SCREW TAPPING	(x 8)
12	7172401212	SCREW TAPPING	
△ 13	4855415800	S/PLATE	
14	4855800022	LABEL SERIAL	
15	4853535600	HOLDER CORD	
△ 16	PTMPMSD832J	MAIN PWB	
△ 17	PTCPMSD830	CRT SOCKET PWB	

EXPLODED VIEW



EXPLODED VIEW



PRINTED WIRING BOARD PARTS LIST

△	Symbol No.	Part No.	Part Name	Description	△	Symbol No.	Part No.	Part Name	Description
	I101	1TDA4470M-	IC IF	TDA4470-M		D802	DLT2A05G--	DIODE	LT2A05G
	I301	1TDA8358J-	IC VERTICAL	TDA8358J		D803	DLT2A05G--	DIODE	LT2A05G
	I501	1VSP9402AQ	IC CHIP VIDEO	VSP9402		D804	DLT2A05G--	DIODE	LT2A05G
	I502	1DP3315CQ	IC CHIP	DDP3315CQ		D805	DRGP15J---	DIODE	RGP15J
	I601	1MSP3410V3	IC SOUND	MSP3410G-V3		D806	DRGP15J---	DIODE	RGP15J
	I602	1TDA8946J-	IC AUDIO	TDA8946J		D808	DRGP15J---	DIODE	RGP15J
	I701	1SDA555XFL	IC MICOM OTP	SDA555XFL		D809	DRGP15J---	DIODE	RGP15J
	I702	1AT24C16PC	IC MEMORY	AT24C16-10PC		D811	DTZX6V2--	DIODE	ZENER TZX6V2B (TAPPING)
	I703	1TSOP1238W	IC PREAMP	TSOP1238WI		D820	DBYW76---	DIODE	BYW76
	I801	1STRF6654-	IC SMPS	STR-F6654		D821	DRGP15J---	DIODE	RGP15J
△	I804	1KP1010C--	IC PHOTO COUPLER	KP-1010C		D824	D1N4148---	DIODE	1N4148 (TAPPING)
	I806	1OP130---	IC ERROR AMP	DP130		D825	D1N4148---	DIODE	1N4148 (TAPPING)
	I810	TX0202DA--	THYRISTOR	X0202DA		D830	DRGP15J---	DIODE	RGP15J
	I820	1L7805CV--	IC REGULATOR	L7805CV		D831	DRGP15J---	DIODE	RGP15J
	I821	1LD1117V33	IC REGULATOR	LD1117AV33 3.3V	T0-220	D840	D1N4004S--	DIODE	1N4004S
	I822	1L7808CV--	IC REGULATOR	L7808CV		D841	D1N4004S--	DIODE	1N4004S
	I823	1LD1117V50	IC REGULATOR	LD1117AV50 5.0V	T0-220	D860	DBYW76---	DIODE	BYW76
	I824	1LD1117V18	IC REGULATOR	LD1117AV18 1.8V	T0-220	D870	DRGP15J---	DIODE	RGP15J
	I826	1LD1117V33	IC REGULATOR	LD1117AV33 3.3V	T0-220	D911	D1N4004S--	DIODE	1N4004S
	I827	1LD1117V25	IC REGULATOR	LD1117AV25 2.5V	T0-220	D912	D1N4004S--	DIODE	1N4004S
	I901	1TDA6108JF	IC VIDEO	TDA6108JF		D913	D1N4004S--	DIODE	1N4004S
	Q013	T2SC5343Y-	TR	2SC5343Y		D921	D1N4004S--	DIODE	1N4004S
	Q104	T2SC5343Y-	TR	2SC5343Y		D922	D1N4004S--	DIODE	1N4004S
	Q110	T2SC5343Y	TR	2SC5343Y		D923	D1N4004S--	DIODE	1N4004S
	Q150	T2SC5343Y-	TR	2SC5343Y		D997	DLT2A05G--	DIODE	LT2A05G
	Q151	T2SC5343Y-	TR	2SC5343Y		DA11	DTZX5V6B--	DIODE	ZENER TZX5V6B (TAPPING)
	Q333	T2SC5343Y-	TR	2SC5343Y		DA16	DTZX5V6B--	DIODE	TZX5V6B (TAPPING)
△	Q401	T5T2310DH1	TR	ST2310DH1		DA17	DTZX5V6B--	DIODE	TZX5V6B (TAPPING)
	Q402	T2SD1207T	TR	2SD1207-T (TAPPING)		DA20	DTZX5V6B--	DIODE	TZX5V6B (TAPPING)
	Q501	T2SA1980Y-	TR	2SA1980Y		DA27	DTZX5V6B--	DIODE	TZX5V6B (TAPPING)
	Q502	T2SC5343Y-	TR	2SC5343Y					
	Q542	T2SA1980Y-	TR	2SA1980Y					
	Q543	T2SA1980Y-	TR	2SA1980Y					
	Q544	T2SA1980Y-	TR	2SA1980Y					
	Q550	T2SC5343Y-	TR	2SC5343Y					
	Q601	T2SA1980Y-	TR	2SA1980Y					
	Q701	T2SC5343Y-	TR	2SC5343Y					
	Q702	T2SA1980Y-	TR	2SA1980Y					
	Q720	TH2N7000--	TR	H2N7000					
	Q721	TH2N7000--	TR	H2N7000					
	Q730	T2SC5343Y-	TR	2SC5343Y					
	Q731	T2SC5343Y-	TR	2SC5343Y					
	Q733	T2SC5343Y-	TR	2SC5343Y					
	Q734	T2SC5343Y-	TR	2SC5343Y					
	Q807	T2SC5343Y-	TR	2SC5343Y					
	Q808	T2SC5343Y-	TR	2SC5343Y					
	Q809	T2SC5343Y-	TR	2SC5343Y					
	Q810	T2SC5343Y-	TR	2SC5343Y					
	Q811	T2SC5343Y-	TR	2SC5343Y					
	Q921	TBF423--	TR	BF423 T0-92					
	Q922	TBF423--	TR	BF423 T0-92					
	Q923	TBF423--	TR	BF423 T0-92					
	D100	DTZX33B--	DIODE	ZENER	TZX33B (TAPPING)				
	D101	DBAT85--	DIODE		BAT85 (TAPPING)				
	D103	DBA282--	DIODE		BA282				
	D313	DRGP15J--	DIODE		RGP15J				
	D360	DTZX2C--	DIODE	ZENER	TZX22C (TAPPING)				
	D361	DTZX33B--	DIODE	ZENER	TZX33B (TAPPING)				
	D362	DTZX33B--	DIODE	ZENER	TZX33B (TAPPING)				
	D367	DTZX33B--	DIODE	ZENER	TZX33B (TAPPING)				
	D404	DFMP3FU--	DIODE		FMP3FU				
	D405	D1N4937G--	DIODE		1N4937G				
	D406	DRGP15J--	DIODE		RGP15J				
	D407	DRGP15J--	DIODE		RGP15J				
	D408	D1N4937G--	DIODE		1N4937G				
	D410	D1N4937G--	DIODE		1N4937G				
	D414	D1N4004S--	DIODE		1N4004S				
	D415	D1N4937G--	DIODE		1N4937G				
	D530	D1N4148--	DIODE		1N4148 (TAPPING)				
	D531	D1N4148--	DIODE		1N4148 (TAPPING)				
	D535	D1N4148--	DIODE		1N4148 (TAPPING)				
	D540	D1N4148--	DIODE		1N4148 (TAPPING)				
	D541	D1N4148--	DIODE		1N4148 (TAPPING)				
	D545	D1N4148--	DIODE		1N4148 (TAPPING)				
	D550	D1N4148--	DIODE		1N4148 (TAPPING)				
	D551	D1N4148--	DIODE		1N4148 (TAPPING)				
	D602	D1N4148--	DIODE		1N4148 (TAPPING)				
	D720	DTZX2V7A--	DIODE	ZENER	TZX2V7A (TAPPING)				
	D730	DTZX7V5C--	DIODE	ZENER	TZX7V5C (TAPPING)				
	D733	DTZX7V5C--	DIODE	ZENER	TZX7V5C (TAPPING)				
	D777	DTZX5V6B--	DIODE	ZENER	TZX5V6B (TAPPING)				
△	D801	DLT2A05G--	DIODE		LT2A05G				
						C101	CCZB1H101K	C CERA	50V B 100PF K (AXIAL)
						C102	CEXF1E470V	C ELECTRO	25V RSS 47MF (5X11)TP
						C106	CEXF1H221V	C ELECTRO	50V RSS 220MF (10X16)TP
						C117	CEXF1H229V	C ELECTRO	50V RSS 2.2MF (5X11)TP
						C118	CMXL1J474J	C MYLAR	63V 0.47MF MKT
						C121	CEXF1E470V	C ELECTRO	25V RSS 47MF (5X11)TP
						C150	CEXF1E100V	C ELECTRO	25V RSS 10MF TP
						C152	CEXF1E100V	C ELECTRO	25V RSS 10MF TP
						C153	CEXF1H229V	C ELECTRO	50V RSS 2.2MF (5X11)TP
						C157	CEXF1E100V	C ELECTRO	25V RSS 10MF TP
						C161	CCZB1H220K	C CERA	50V B 22PF K (AXIAL)
						C164	CEXF1E470V	C ELECTRO	25V RSS 47MF (5X11)TP
						C188	CEXF1E100V	C ELECTRO	25V RSS 10MF TP
						C301	CMXM2A224J	C MYLAR	100V 0.22MF J BULK
						C305	CEXF1E221V	C ELECTRO	25V RSS 220MF (8X11.5)TP
						C313	CMXM2A104J	C MYLAR	100V 0.1MF J TP
						C315	CEXF1H101V	C ELECTRO	50V RSS 100MF (8*11.5)TP
						C320	CBXF1H104Z	C CERA SEMI	50V F 0.1MF Z (TAPPING)
						C350	CCXF1H223Z	C CERA	50V F 0.022MF Z (TAPPING)
						C351	CCXF1H223Z	C CERA	50V F 0.022MF Z (TAPPING)
						C370	CCXF1H473Z	C CERA	50V F 0.047MF Z (TAPPING)
						C401	CEXF1E101V	C ELECTRO	25V RSS 100MF (6.3X11)TP
						C404	CMYH3C103J	C MYLAR	1.6KV 0.01MF J
						C405	CMYE2J183J	C MYLAR	630V PU 0.018MF J
						C408	CMYE2G304J	C MYLAR	400V 0.3MF J (PL)
						C411	CEXF2C339V	C ELECTRO	160V RSS 3.3MF (8X16)TP
						C415	CEXF2E100V	C ELECTRO	250V RSS 10MF (10X20)TP
						C416	CCYR3D681K	C CERA	2KV R 680PF K 125C
						C417	CMYE2G103J	C MYLAR	400V PU 0.01MF J
						C418	CEYD1H689W	C ELECTRO	50V RHD 6.8MF (16X35.5)
						C424	CMXM2A333J	C MYLAR	100V 0.033MF J TP
						C425	CCXB1H472K	C CERA	50V B 4700PF K (TAPPING)
						C500	CEXF1E470V	C ELECTRO	25V RSS 47MF (5X11)TP
						C501	CEXF1E100V	C ELECTRO	25V RSS 10MF TP
						C502	CEXF1E100V	C ELECTRO	25V RSS 10MF TP
						C503	CEXF1E100V	C ELECTRO	25V RSS 10MF TP
						C504	CEXF1E100V	C ELECTRO	25V RSS 10MF TP
						C505	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11)TP
						C508	CCZB1H473K	C CERA	50V B 0.047MF K (AXIAL)
						C509	CCZB1H473K	C CERA	50V B 0.047MF K (AXIAL)
						C510	CCZB1H473K	C CERA	50V B 0.047MF K (AXIAL)
						C515	CBZF1H104Z	C CERA SEMI	50V F 0.1MF Z (AXIAL)
						C516	CBZF1H104Z	C CERA SEMI	50V F 0.1MF Z (AXIAL)
						C517	CBZF1H104Z	C CERA SEMI	50V F 0.1MF Z (AXIAL)
						C518	CBZF1H104Z	C CERA SEMI	50V F 0.1MF Z (AXIAL)
						C519	CBZF1H104Z	C CERA SEMI	50V F 0.1MF Z (AXIAL)
						C524	CEXF1E470V	C ELECTRO	25V RSS 47MF (5X11)TP
						C530	CEXF1E100V	C ELECTRO	25V RSS 10MF TP
						C532	CCZB1H103K	C CERA	50V B 0.01MF K (AXIAL)
						C534	CCZB1H103K	C CERA	50V B 0.01MF K (AXIAL)
						C536	CCZB1H102K	C CERA	50V B 1000PF K (AXIAL)
						C537	CCZB1H103K	C CERA	50V B 0.01MF K (AXIAL)
						C538	CCZB1H103K	C CERA	50V B 0.01MF K (AXIAL)

△	Symbol No.	Part No.	Part Name	Description
	C540	CCZB1H333K	C CERA	50V B 0.033MF K (AXIAL)
	C550	CEXF1E100V	C ELECTRO	25V RSS 10MF TP
	C551	CEXF1E100V	C ELECTRO	25V RSS 10MF TP
	C553	CCZB1H103K	C CERA	50V B 0.01MF K (AXIAL)
	C560	CEXF1E101V	C ELECTRO	25V RSS 100MF (6.3X11)TP
	C561	CEXF1H339V	C ELECTRO	50V RSS 3.3MF (5X11)TP
	C568	CEXF1E101V	C ELECTRO	25V RSS 100MF (6.3X11)TP
	C578	CCZB1H561K	C CERA	50V B 560PF K (AXIAL)
	C579	CCZB1H561K	C CERA	50V B 560PF K (AXIAL)
	C589	CCZB1H561K	C CERA	50V B 560PF K (AXIAL)
	C590	CEXF1H109V	C ELECTRO	50V RSS 1MF (5X11)TP
	C602	CEXF1E221V	C ELECTRO	25V RSS 220MF (8X11.5)TP
	C604	CEXF1E102V	C ELECTRO	25V RSS 100MF (13X20)TP
	C605	CEXF1E470V	C ELECTRO	25V RSS 47MF (5X11)TP
	C608	CEXF1E100V	C ELECTRO	25V RSS 10MF TP
	C610	CEXF1E100V	C ELECTRO	25V RSS 10MF TP
	C611	CEXF1H339V	C ELECTRO	50V RSS 3.3MF (5X11)TP
	C612	CEXF1H109V	C ELECTRO	50V RSS 1MF (5X11)TP
	C613	CEXF1H109V	C ELECTRO	50V RSS 1MF (5X11)TP
	C614	CEXF1H109V	C ELECTRO	50V RSS 1MF (5X11)TP
	C615	CEXF1H109V	C ELECTRO	50V RSS 1MF (5X11)TP
	C616	CEXF1E100V	C ELECTRO	25V RSS 10MF TP
	C623	CEXF1H109V	C ELECTRO	50V RSS 1MF (5X11)TP
	C624	CEXF1H109V	C ELECTRO	50V RSS 1MF (5X11)TP
	C625	CEXF1E101V	C ELECTRO	25V RSS 100MF (6.3X11)TP
	C626	CEXF1E101V	C ELECTRO	25V RSS 100MF (6.3X11)TP
	C630	CEXF1E470V	C ELECTRO	25V RSS 47MF (5X11)TP
	C634	CEXF1E100V	C ELECTRO	25V RSS 10MF TP
	C636	CEXF1E470V	C ELECTRO	25V RSS 47MF (5X11)TP
	C641	CEXF1E101V	C ELECTRO	25V RSS 100MF (6.3X11)TP
	C642	CEXF1E101V	C ELECTRO	25V RSS 100MF (6.3X11)TP
	C650	CZSL1H680J	C CERA	50V SL 68PF J (AXIAL)
	C660	CEXF1E100V	C ELECTRO	25V RSS 10MF TP
	C661	CMXN2A224J	C MYLAR	100V 0.22MF J BULK
	C662	CMXN2A224J	C MYLAR	100V 0.22MF J BULK
	C666	CBXK1H104Z	C CERA SEMI	50V F 0.1MF Z (TAPPING)
	C668	CMXN2A224J	C MYLAR	100V 0.22MF J BULK
	C669	CMXN2A224J	C MYLAR	100V 0.22MF J BULK
	C690	CEXF1H479V	C ELECTRO	50V RSS 4.7MF (5*11)TP
	C691	CEXF1H479V	C ELECTRO	50V RSS 4.7MF (5*11)TP
	C709	CEXF1E101V	C ELECTRO	25V RSS 100MF (6.3X11)TP
	C711	CEXF1E101V	C ELECTRO	25V RSS 100MF (6.3X11)TP
△	C712	CBZF1H104Z	C CERA SEMI	50V F 0.1MF Z (AXIAL)
	C713	CEXF1E100V	C ELECTRO	25V RSS 10MF TP
	C730	CEXF1E100V	C ELECTRO	25V RSS 10MF TP
	C733	CEXF1H229V	C ELECTRO	50V RSS 2.2MF (5X11)TP
	C737	CEXF1E100V	C ELECTRO	25V RSS 10MF TP
	C742	CEXF1E100V	C ELECTRO	25V RSS 10MF TP
	C744	CEXF1E100V	C ELECTRO	25V RSS 10MF TP
	C770	CEXF1E101V	C ELECTRO	25V RSS 100MF (6.3X11)TP
△	C801	CL1C3474M	C LINE ACROSS	0.47MF 1J (UCVSNDF/SV
	C803	CCXF3A472Z	C CERA	1KV F 4700PF Z (T)
	C804	CCXF3A472Z	C CERA	1KV F 4700PF Z (T)
	C805	CEYM2G181P	C ELECTRO	400V LHS 180MF (25X35)
	C806	CEXF1H330V	C ELECTRO	50V RSS 33MF (6.3X11)TP
	C807	CCXF1H473Z	C CERA	50V F 0.047MF Z (TAPPING)
	C808	CEXF1H479V	C ELECTRO	50V RSS 4.7MF (5*11)TP
	C809	CCXB1H102K	C CERA	50V B 1000PF K (TAPPING)
△	C811	CCYR3D221K	C CERA	2KV R 220PF K 125C
	C812	CH1BFE472M	C CERA AC	AC400V 4700PF M U/C/V
	C813	CEXF2E101V	C ELECTRO	250V RSS 100MF 18X35.5
	C814	CEYF2E470V	C ELECTRO	250V RSS 47MF (16X25
	C820	CCYR3A471K	C CERA	1KV 470PF K 125C
	C821	CCXB1H102K	C CERA	50V B 1000PF K (TAPPING)
	C823	CEXF1E102V	C ELECTRO	25V RSS 100MF (13X20)TP
	C824	CCXB3A471K	C CERA	1KV B 470PF K (T)
	C830	CBZF1H104Z	C CERA SEMI	50V F 0.1MF Z (AXIAL)
	C831	CCXB3A471K	C CERA	1KV B 470PF K (T)
	C832	CEXF1E102V	C ELECTRO	25V RSS 100MF (13X20)TP
	C835	CEXF1E470V	C ELECTRO	25V RSS 47MF (5X11)TP
	C840	CEXF1C332V	C ELECTRO	16V RSS 330MF
	C841	CEXF1C222V	C ELECTRO	16V RSS 220MF (13X25)TP
	C844	CEXF1E101V	C ELECTRO	25V RSS 100MF (6.3X11)TP
	C845	CEXF1E102V	C ELECTRO	25V RSS 100MF (13X20)TP
	C846	CEXF1E101V	C ELECTRO	25V RSS 100MF (6.3X11)TP
	C850	CCXB1H821K	C CERA	50V B 820PF K (TAPPING)
	C861	CEXF1E102C	C ELECTRO	25V RUS 1000MF 13X20 TP
	C863	CEXF1E101V	C ELECTRO	25V RSS 100MF (6.3X11)TP
	C866	CCYR3A471K	C CERA	1KV 470PF K 125C
	C870	CCXB3A471K	C CERA	1KV B 470PF K (T)
	C871	CEXF1E102V	C ELECTRO	25V RSS 100MF (13X20)TP
	C876	CEXF1E470V	C ELECTRO	25V RSS 47MF (5X11)TP
	C880	CEXF1E101V	C ELECTRO	25V RSS 100MF (6.3X11)TP
	C888	CEXF1H229V	C ELECTRO	50V RSS 2.2MF (5X11)TP
	C900	CCXB3D102K	C CERA	2KV B 1000 PF K (TAPPING)
	C902	CMXL2E104K	C MYLAR	250V 0.1MF K MEU TP
	C910	CEXF2E479V	C ELECTRO	250V RSS 4.7MF (10X16)TP
	C921	CMXN2A102J	C MYLAR	100V 1000PF J TP
	C922	CMXN2A102J	C MYLAR	100V 1000PF J TP
	C923	CMXN2A102J	C MYLAR	100V 1000PF J TP

△	Symbol No.	Part No.	Part Name	Description
	C997	CEXF2E100V	C ELECTRO	250V RSS 10MF (10X20)TP
	CA20	CCZB1H222K	C CERA	50V B 2200PF K (AXIAL)
	CC01	HCBK471KCA	C CHIP CERA	50V X7R 470PF K 2012
	CC02	HCBK471KCA	C CHIP CERA	50V X7R 470PF K 2012
	CC03	HCBK471KCA	C CHIP CERA	50V X7R 470PF K 2012
	CC04	HCBK471KCA	C CHIP CERA	50V X7R 470PF K 2012
	CC05	HCBK471KCA	C CHIP CERA	50V X7R 470PF K 2012
	CC06	HCBK471KCA	C CHIP CERA	50V X7R 470PF K 2012
	CC07	HCBK471KCA	C CHIP CERA	50V X7R 470PF K 2012
	CC08	HCBK471KCA	C CHIP CERA	50V X7R 470PF K 2012
	CC10	HCBK102KCA	C CHIP CERA	50V X7R 1000PF K 2012
	CC13	HCBK102KCA	C CHIP CERA	50V X7R 1000PF K 2012
	CC14	HCBK102KCA	C CHIP CERA	50V X7R 1000PF K 2012
	CC15	HCBK102KCA	C CHIP CERA	50V X7R 1000PF K 2012
	CC16	HCBK102KCA	C CHIP CERA	50V X7R 1000PF K 2012
	CC17	HCBK102KCA	C CHIP CERA	50V X7R 1000PF K 2012
	CC18	HCBK102KCA	C CHIP CERA	50V X7R 1000PF K 2012
	CC19	HCBK102KCA	C CHIP CERA	50V X7R 1000PF K 2012
	CC20	HCBK471KCA	C CHIP CERA	50V X7R 470PF K 2012
	CC21	HCBK471KCA	C CHIP CERA	50V X7R 470PF K 2012
	CC30	HCBK102KCA	C CHIP CERA	50V X7R 1000PF K 2012
	CC31	HCBK102KCA	C CHIP CERA	50V X7R 1000PF K 2012
	CC32	HCBK222KCA	C CHIP CERA	50V X7R 2200PF K 2012
	CC101	HCBK102KCA	C CHIP CERA	50V X7R 1000PF K 2012
	CC103	HCBK102KCA	C CHIP CERA	50V X7R 1000PF K 2012
	CC110	HCFK103ZCA	C CHIP CERA	50V Y5V 0.01MF Z 2012
	CC111	HCFK103ZCA	C CHIP CERA	50V Y5V 0.01MF Z 2012
	CC112	HCBK102KCA	C CHIP CERA	50V X7R 1000PF K 2012
	CC115	HCBK104KCA	C CHIP CERA	50V X7R 0.1MF K 2012
	CC117	HCFK103ZCA	C CHIP CERA	50V Y5V 0.01MF Z 2012
	CC119	HCFK103ZCA	C CHIP CERA	50V Y5V 0.01MF Z 2012
	CC120	HCK0150JCA	C CHIP CERA	50V CH 15PF J 2012
	CC127	HCBK102KCA	C CHIP CERA	50V X7R 1000PF K 2012
	CC129	HCFK103ZCA	C CHIP CERA	50V Y5V 0.01MF Z 2012
	CC136	HCBK104KCA	C CHIP CERA	50V X7R 0.1MF K 2012
	CC158	HCBK104KCA	C CHIP CERA	50V X7R 0.1MF K 2012
	CC160	HCFK103ZCA	C CHIP CERA	50V Y5V 0.01MF Z 2012
	CC166	HCK0470JCA	C CHIP CERA	50V CH 47PF J 2012
	CC177	HCK0470JCA	C CHIP CERA	50V CH 47PF J 2012
	CC501	HCBK102KCA	C CHIP CERA	50V X7R 1000PF K 2012
	CC502	HCBK102KCA	C CHIP CERA	50V X7R 1000PF K 2012
	CC503	HCFK334ZCA	C CHIP CERA	50V Y5V 0.33MF Z 2012
	CC504	HCK0150JCA	C CHIP CERA	50V CH 15PF J 2012
	CC505	HCBK102KCA	C CHIP CERA	50V X7R 1000PF K 2012
	CC506	HCBK104KCA	C CHIP CERA	50V X7R 0.1MF K 2012
	CC507	HCBK102KCA	C CHIP CERA	50V X7R 1000PF K 2012
	CC508	HCBK102KCA	C CHIP CERA	50V X7R 1000PF K 2012
	CC509	HCBK102KCA	C CHIP CERA	50V X7R 1000PF K 2012
	CC511	HCBK102KCA	C CHIP CERA	50V X7R 1000PF K 2012
	CC512	HCBK102KCA	C CHIP CERA	50V X7R 1000PF K 2012
	CC513	HCBK102KCA	C CHIP CERA	50V X7R 1000PF K 2012
	CC514	HCBK104KCA	C CHIP CERA	50V Y5V 0.1MF Z 2012
	CC515	HCK0470JCA	C CHIP CERA	50V CH 47PF J 2012
	CC516	HCK0470JCA	C CHIP CERA	50V CH 47PF J 2012
	CC517	HCBK104KCA	C CHIP CERA	50V X7R 0.1MF K 2012
	CC518	HCBK104KCA	C CHIP CERA	50V X7R 0.1MF K 2012
	CC521	HCBK104KCA	C CHIP CERA	50V X7R 0.1MF K 2012
	CC522	HCBK104KCA	C CHIP CERA	50V X7R 0.1MF K 2012
	CC523	HCBK104KCA	C CHIP CERA	50V X7R 0.1MF K 2012
	CC524	HCBK102KCA	C CHIP CERA	50V X7R 1000PF K 2012
	CC526	HCK220JCA	C CHIP CERA	50V CH 22PF J 2012
	CC527	HCBK102KCA	C CHIP CERA	50V CH 22PF J 2012
	CC528	HCBK102KCA	C CHIP CERA	50V X7R 1000PF K 2012
	CC549	HCBK104KCA	C CHIP CERA	50V X7R 0.1MF K 2012
	CC550	HCBK104KCA	C CHIP CERA	50V X7R 0.1MF K 2012
	CC551	HCBK104KCA	C CHIP CERA	50V X7R 0.1MF K 2012
	CC552	HCK0270JCA	C CHIP CERA	50V CH 27PF J 2012
	CC553	HCBK102KCA	C CHIP CERA	50V X7R 1000PF K 2012
	CC556	HCBK102KCA	C CHIP CERA	50V X7R 1000PF K 2012
	CC561	HCBK104KCA	C CHIP CERA	50V X7R 0.1MF K 2012
	CC567	HCBK102KCA	C CHIP CERA	50V X7R 1000PF K 2012
	CC568	HCBK104KCA	C CHIP CERA	50V X7R 0.1MF K 2012
	CC569	HCBK102KCA	C CHIP CERA	50V X7R 1000PF K 2012
	CC570	HCBK104KCA	C CHIP CERA	50V X7R 0.1MF K 2012
	CC601	HCBK472KCA	C CHIP CERA	50V X7R 4700PF K 2012
	CC602	HCBK472KCA	C CHIP CERA	50V X7R 4700PF K 2012
	CC617	HCBK104KCA	C CHIP CERA	50V X7R 0.1MF K 2012
	CC620	HCK0309CCA	C CHIP CERA	50V CH 3PF C 2012
	CC621	HCK0309CCA	C CHIP CERA	50V CH 3PF C 2012
	CC622	HCK0680JCA	C CHIP CERA	50V CH 68PF J 2012
	CC629	HCBK104KCA	C CHIP CERA	50V X7R 0.1MF K 2012
	CC631	HCBK104KCA	C CHIP CERA	50V X7R 0.1MF K 2012
	CC635	HCBK104KCA	C CHIP CERA	50V X7R 0.1MF K 2012
	CC665	HCBK472KCA	C CHIP CERA	50V X7R 4700PF K 2012
	CC667	HCBK472KCA	C CHIP CERA	50V X7R 4700PF K 2012
	CC670	HCBK102KCA	C CHIP CERA	50V X7R 1000PF K 2012
	CC701	HCK0309CCA	C CHIP CERA	50V Y5V 0.01MF Z 2012
	CC709	HCBK104KCA	C CHIP CERA	50V X7R 0.1MF K 2012
	CC711	HCBK104KCA	C CHIP CERA	50V X7R 0.1MF K 2012

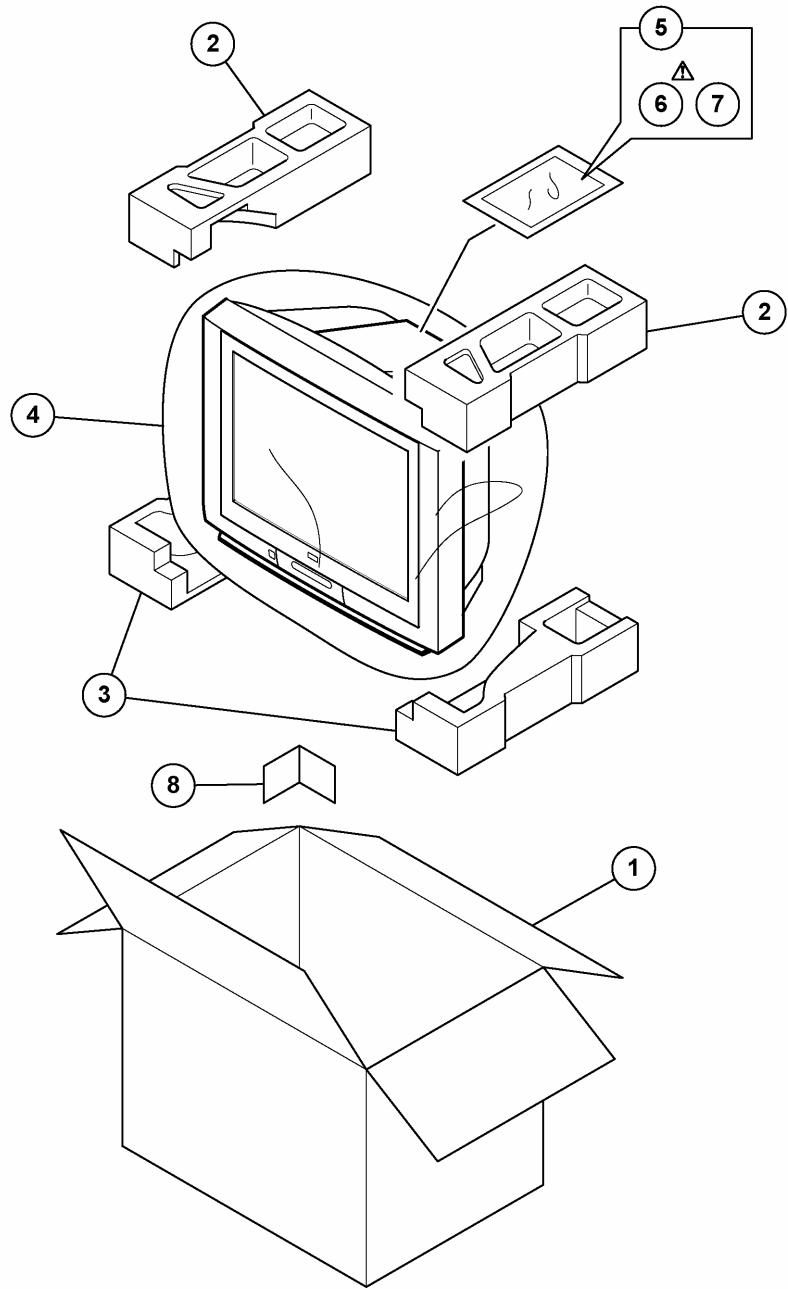
△ Symbol No.	Part No.	Part Name	Description
CC712	HCQK151JCA	C CHIP CERA	50V CH 150PF J 2012
CC713	HCBK104KCA	C CHIP CERA	50V X7R 0.1MF K 2012
CC715	HCBK104KCA	C CHIP CERA	50V X7R 0.1MF K 2012
CC716	HCFK103ZCA	C CHIP CERA	50V Y5V 0.01MF Z 2012
CC726	HCQK330JCA	C CHIP CERA	50V CH 33PF J 2012
CC727	HCQK330JCA	C CHIP CERA	50V CH 33PF J 2012
CC730	HCBK104KCA	C CHIP CERA	50V X7R 0.1MF K 2012
CC737	HCBK102KCA	C CHIP CERA	50V X7R 1000PF K 2012
CC742	HCBK102KCA	C CHIP CERA	50V X7R 1000PF K 2012
CC744	HCBK102KCA	C CHIP CERA	50V X7R 1000PF K 2012
CC777	HCBK104KCA	C CHIP CERA	50V X7R 0.1MF K 2012
R103	RD-AZ123J-	R CARBON FILM	1/6 12K OHM J
R110	RN-471202F	R METAL FILM	1/4 12K OHM F
R111	RD-AZ133J-	R CARBON FILM	1/6 13K OHM J
R150	RD-AZ561J-	R CARBON FILM	1/6 560 OHM J
R151	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R152	RD-AZ271J-	R CARBON FILM	1/6 270 OHM J
R154	RD-AZ470J-	R CARBON FILM	1/6 47 OHM J
R155	RD-AZ751J-	R CARBON FILM	1/6 750 OHM J
R162	RD-AZ153J-	R CARBON FILM	1/6 15K OHM J
R163	RD-AZ752J-	R CARBON FILM	1/6 7.5K OHM J
R164	RD-AZ752J-	R CARBON FILM	1/6 7.5K OHM J
R190	RD-AZ221J-	R CARBON FILM	1/6 220 OHM J
R191	RD-AZ331J-	R CARBON FILM	1/6 330 OHM J
R301	RD-AZ472J-	R CARBON FILM	1/4 4.7K OHM J
R310	RD-AZ432J-	R CARBON FILM	1/6 4.3K OHM J
R311	RD-AZ432J-	R CARBON FILM	1/6 4.3K OHM J
R331	RD-AZ220J-	R CARBON FILM	1/2 200 OHM J
R333	RD-AZ222J-	R CARBON FILM	1/6 2.2K OHM J
R334	RD-AZ222J-	R CARBON FILM	1/6 2.2K OHM J
R345	RD-AZ473J-	R CARBON FILM	1/4 47K OHM J
R350	RD-AZ222J-	R CARBON FILM	1/6 2.2K OHM J
R351	RD-AZ222J-	R CARBON FILM	1/6 2.2K OHM J
R370	RD-AZ159J-	R CARBON FILM	1/4 1.5 OHM J
R388	RW02Y508FS	R WIRE WOUND	2W 0.5 OHM F SMALL
R394	RD-AZ272J-	R CARBON FILM	1/6 2.7K OHM J
R395	RD-AZ564J-	R CARBON FILM	1/4 560K OHM J
R396	RD-AZ272J-	R CARBON FILM	1/6 2.7K OHM J
R397	RD-AZ823J-	R CARBON FILM	1/6 82K OHM J
R399	RS02Y829JS	R M-OXIDE FILM	2W 8.2 OHM J SMALL
R401	RS02Y820JS	R M-OXIDE FILM	2W 82 OHM J SMALL
R402	RN02B750JS	R METAL FILM	2W 75 OHM J SMALL
R410	RN02B473JS	R METAL FILM	2W 47K OHM J SMALL
R415	RS02Y561JS	R M-OXIDE FILM	2W 560 OHM J SMALL
R416	RD-AZ471J-	R CARBON FILM	1/4 470 OHM J
R420	RD-AZ471J-	R CARBON FILM	1/6 470 OHM J
R424	RD-AZ472J-	R CARBON FILM	1/4 4.7K OHM J
R430	RD-AZ152J-	R CARBON FILM	1/4 1.5K OHM J
R444	RS02Y330JS	R M-OXIDE FILM	2W 33 OHM J SMALL
R501	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J
R502	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J
R504	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R507	RD-AZ562J-	R CARBON FILM	1/6 5.6K OHM J
R509	RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J
R510	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J
R511	RD-AZ330J-	R CARBON FILM	1/6 33 OHM J
R512	RD-AZ330J-	R CARBON FILM	1/6 33 OHM J
R513	RD-AZ330J-	R CARBON FILM	1/6 33 OHM J
R514	RD-AZ151J-	R CARBON FILM	1/6 150 OHM J
R515	RD-AZ223J-	R CARBON FILM	1/6 22K OHM J
R518	RD-AZ750J-	R CARBON FILM	1/6 75 OHM J
R519	RD-AZ750J-	R CARBON FILM	1/6 75 OHM J
R520	RD-AZ750J-	R CARBON FILM	1/6 75 OHM J
R524	RD-AZ391J-	R CARBON FILM	1/6 390 OHM J
R525	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J
R533	RD-AZ392J-	R CARBON FILM	1/6 3.9K OHM J
R534	RD-AZ391J-	R CARBON FILM	1/6 390 OHM J
R535	RD-AZ122J-	R CARBON FILM	1/6 1.2K OHM J
R537	RD-AZ301J-	R CARBON FILM	1/6 300 OHM J
R538	RD-AZ301J-	R CARBON FILM	1/6 300 OHM J
R540	RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J
R545	RD-AZ750J-	R CARBON FILM	1/6 75 OHM J
R551	RD-AZ471J-	R CARBON FILM	1/6 470 OHM J
R563	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J
R564	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J
R566	RD-AZ220J-	R CARBON FILM	1/6 22 OHM J
R570	RD-AZ271J-	R CARBON FILM	1/6 270 OHM J
R576	RD-AZ151J-	R CARBON FILM	1/6 150 OHM J
R577	RD-AZ151J-	R CARBON FILM	1/6 150 OHM J
R578	RD-AZ330J-	R CARBON FILM	1/6 33 OHM J
R579	RD-AZ330J-	R CARBON FILM	1/6 33 OHM J
R580	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J
R588	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J
R589	RD-AZ330J-	R CARBON FILM	1/6 33 OHM J
R590	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R593	RD-AZ203J-	R CARBON FILM	1/6 20K OHM J
R594	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J
R595	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J
R599	RD-AZ151J-	R CARBON FILM	1/6 150 OHM J

△ Symbol No.	Part No.	Part Name	Description
R605	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J
R606	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J
R608	RD-2Z151J-	R CARBON FILM	1/2 150 OHM J
R609	RD-2Z151J-	R CARBON FILM	1/2 150 OHM J
R614	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R615	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R620	RD-AZ242J-	R CARBON FILM	1/6 2.4K OHM J
R621	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R622	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R641	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R642	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R646	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R647	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R649	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R650	RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J
R651	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R652	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R660	RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J
R666	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R680	RD-AZ473J-	R CARBON FILM	1/6 47K OHM J
R700	RD-2Z332J-	R CARBON FILM	1/2 3.3K OHM J
R701	RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J
R702	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R703	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J
R704	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J
R709	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R710	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R716	RD-AZ113J-	R CARBON FILM	1/6 11K OHM J
R718	RN-AZ3902F	R METAL FILM	1/6 39K OHM F
R720	RD-AZ681J	R CARBON FILM	1/6 680 OHM J
R733	RD-AZ223J-	R CARBON FILM	1/6 22K OHM J
R741	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J
R748	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J
R750	RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J
R781	RD-AZ332J-	R CARBON FILM	1/6 3.3K OHM J
R786	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R787	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R788	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R789	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R790	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R791	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R801	DPC7ROM290	POSISTOR	96709 (BC)
R802	RS02Y753JS	R M-OXIDE FILM	2W 75K OHM J SMALL
△ R804	RF01Y158K	R FUSIBLE	1W 0.15 OHM K
R805	RD-2Z100J	R CARBON FILM	1/2 10 OHM J
R806	RD-2Z472J	R CARBON FILM	1/2 4.7K OHM J
R807	RD-2Z272J	R CARBON FILM	1/2 2.7K OHM J
R808	RD-2Z821J	R CARBON FILM	1/2 820 OHM J
R810	RD-AZ102J-	R CARBON FILM	1/4 1K OHM J
△ R811	RC-2Z565KP	R CARBON COMP	1/2 5.6M OHM K
R817	RD-AZ473J-	R CARBON FILM	1/6 47K OHM J
R819	RX10B339JN	R CEMENT	10W 3.3 OHM J BENCH 4P
R820	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R821	RD-AZ102J-	R CARBON FILM	1/4 1K OHM J
R829	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R830	RD-AZ332J	R CARBON FILM	1/6 3.3K OHM J
R841	RD-2Z470J-	R CARBON FILM	1/2 47 OHM J
R854	RS02Y569JS	R M-OXIDE FILM	2W 5.6 OHM J SMALL
R855	RD-4Z335J	R CARBON FILM	1/4 3.3M OHM J
R870	RD-AZ222J	R CARBON FILM	1/6 2.2K OHM J
R901	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J
R902	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J
△ R903	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J
R906	RF01Y209JA	R FUSIBLE	1W 2 OHM J A CURVE
R911	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J
R912	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J
R913	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J
R921	RC-2Z102K	R CARBON COMP	1/2 1K OHM K
R922	RC-2Z102K	R CARBON COMP	1/2 1K OHM K
R923	RC-2Z102K	R CARBON COMP	1/2 1K OHM K
R931	RD-AZ333J	R CARBON FILM	1/6 33K OHM J
R932	RD-AZ333J	R CARBON FILM	1/6 33K OHM J
R933	RD-AZ333J	R CARBON FILM	1/6 33K OHM J
R935	RD-AZ750J	R CARBON FILM	1/6 75 OHM J
R996	RD-2Z105J	R CARBON FILM	1/2 1M OHM J
R997	RD-2Z102J	R CARBON FILM	1/2 1K OHM J
RA01	RD-AZ220J	R CARBON FILM	1/6 22 OHM J
RA15	RD-AZ750J	R CARBON FILM	1/6 75 OHM J
RA16	RD-AZ750J	R CARBON FILM	1/6 75 OHM J
RA32	RD-AZ680J-	R CARBON FILM	1/6 68 OHM J
RA35	RD-AZ750J	R CARBON FILM	1/6 75 OHM J
RC102	HRFT561JCA	R CHIP	1/10 560 OHM J 2012
RC106	HRFT101JCA	R CHIP	1/10 100 OHM J 2012
RC107	HRFT101JCA	R CHIP	1/10 100 OHM J 2012
RC109	HRFT104JCA	R CHIP	1/10 100K OHM J 2012
RC112	HRFT223JCA	R CHIP	1/10 22K OHM J 2012
RC114	HRFT472JCA	R CHIP	1/10 4.7K OHM J 2012
RC116	HRFT243JCA	R CHIP	1/10 24K OHM J 2012
RC117	HRFT243JCA	R CHIP	1/10 24K OHM J 2012
RC118	HRFT151JCA	R CHIP	1/10 150 OHM J 2012
RC119	HRFT272JCA	R CHIP	1/10 2.7K OHM J 2012

△	Symbol No.	Part No.	Part Name	Description
	RC153	HRFT470JCA	R CHIP	1/10 47 OHM J 2012
	RC159	HRFT682JCA	R CHIP	1/10 6.8K OHM J 2012
	RC160	HRFT472JCA	R CHIP	1/10 4.7K OHM J 2012
	RC161	HRFT102JCA	R CHIP	1/10 1K OHM J 2012
	RC169	HRFT222JCA	R CHIP	1/10 2.2K OHM J 2012
	RC177	HRFT562JCA	R CHIP	1/10 5.6K OHM J 2012
	RC179	HRFT222JCA	R CHIP	1/10 2.2K OHM J 2012
	RC414	HRFT681JCA	R CHIP	1/10 680 OHM J 2012
	RC501	HRFT101JCA	R CHIP	1/10 100 OHM J 2012
	RC506	HRFT750JCA	R CHIP	1/10 75 OHM J 2012
	RC513	HRFT103JCA	R CHIP	1/10 10K OHM J 2012
	RC516	HRFT471JCA	R CHIP	1/10 470 OHM J 2012
	RC527	HRFT333JCA	R CHIP	1/10 33K OHM J 2012
	RC530	HRFT103JCA	R CHIP	1/10 10K OHM J 2012
	RC532	HRFT223JCA	R CHIP	1/10 22K OHM J 2012
	RC550	HRFT102JCA	R CHIP	1/10 1K OHM J 2012
	RC551	HRFT471JCA	R CHIP	1/10 470 OHM J 2012
	RC560	HRFT102JCA	R CHIP	1/10 1K OHM J 2012
	RC568	HRFT102JCA	R CHIP	1/10 1K OHM J 2012
	RC569	HRFT151JCA	R CHIP	1/10 150 OHM J 2012
	RC580	HRFT821JCA	R CHIP	1/10 820 OHM J 2012
	RC581	HRFT102JCA	R CHIP	1/10 1K OHM J 2012
	RC582	HRFT102JCA	R CHIP	1/10 1K OHM J 2012
	RC583	HRFT102JCA	R CHIP	1/10 1K OHM J 2012
	RC584	HRFT821JCA	R CHIP	1/10 820 OHM J 2012
	RC585	HRFT911JCA	R CHIP	1/10 910 OHM J 2012
	RC586	HRFT911JCA	R CHIP	1/10 910 OHM J 2012
	RC587	HRFT821JCA	R CHIP	1/10 820 OHM J 2012
	RC591	HRFT393JCA	R CHIP	1/10 39K OHM J 2012
	RC595	HRFT271JCA	R CHIP	1/10 270 OHM J 2012
	RC598	HRFT271JCA	R CHIP	1/10 270 OHM J 2012
	RC602	HRFT104JCA	R CHIP	1/10 100K OHM J 2012
	RC661	HRFT103JCA	R CHIP	1/10 10K OHM J 2012
	RC662	HRFT103JCA	R CHIP	1/10 10K OHM J 2012
	RC708	HRFT472JCA	R CHIP	1/10 4.7K OHM J 2012
	RC712	HRFT101JCA	R CHIP	1/10 100 OHM J 2012
	RC713	HRFT181JCA	R CHIP	1/10 180 OHM J 2012
	RC715	HRFT103JCA	R CHIP	1/10 10K OHM J 2012
	RC718	HRFT223JCA	R CHIP	1/10 22K OHM J 2012
	RC720	HRFT101JCA	R CHIP	1/10 100 OHM J 2012
	RC721	HRFT151JCA	R CHIP	1/10 150 OHM J 2012
	RC722	HRFT241JCA	R CHIP	1/10 240 OHM J 2012
	RC723	HRFT391JCA	R CHIP	1/10 390 OHM J 2012
	RC724	HRFT102JCA	R CHIP	1/10 1K OHM J 2012
	RC725	HRFT103JCA	R CHIP	1/10 10K OHM J 2012
	RC729	HRFT103JCA	R CHIP	1/10 10K OHM J 2012
	RC730	HRFT223JCA	R CHIP	1/10 22K OHM J 2012
	RC731	HRFT223JCA	R CHIP	1/10 22K OHM J 2012
	RC732	HRFT103JCA	R CHIP	1/10 10K OHM J 2012
	RC733	HRFT473JCA	R CHIP	1/10 47K OHM J 2012
	RC734	HRFT103JCA	R CHIP	1/10 10K OHM J 2012
	RC735	HRFT223JCA	R CHIP	1/10 22K OHM J 2012
	RC736	HRFT103JCA	R CHIP	1/10 10K OHM J 2012
	RC737	HRFT682JCA	R CHIP	1/10 6.8K OHM J 2012
	RC738	HRFT000-CA	R CHIP	1/10 0 OHM 2012
	RC739	HRFT000-CA	R CHIP	1/10 0 OHM 2012
	RC740	HRFT000-CA	R CHIP	1/10 0 OHM 2012
	RC741	HRFT682JCA	R CHIP	1/10 6.8K OHM J 2012
	RC742	HRFT682JCA	R CHIP	1/10 6.8K OHM J 2012
	RC743	HRFT682JCA	R CHIP	1/10 6.8K OHM J 2012
	RC750	HRFT183JCA	R CHIP	1/10 18K OHM J 2012
	RC770	HRFT332JCA	R CHIP	1/10 3.3K OHM J 2012
	RC790	HRFT512JCA	R CHIP	1/10 5.1K OHM J 2012
	RC799	HRFT472JCA	R CHIP	1/10 4.7K OHM J 2012
	RC477	HRFT750JCA	R CHIP	1/10 75 OHM J 2012
L101	5CPX479K--	COIL PEAKING	4.7UH K RADIAL	
L105	5CPZ479K02	COIL PEAKING	4.7UH 3.5MM K (LAL02TB)	
L150	58E0000041	COIL AFT	TRF-A005	
L153	5CPZ120K02	COIL PEAKING	12UH 3.5MM K (LAL02TB)	
L380	58C0000120	COIL CHOKE	CH-100Q	
L381	58C0000120	COIL CHOKE	CH-100Q	
L401	58H0000082	COIL H-LINEARITY	TRL-2R3F	
L402	5MC0000100	COIL BEAD	MD-5 (HC-3550)	
L403	58C0000118	COIL CHOKE	CH-191A	
L501	5CPX479K--	COIL PEAKING	4.7UH K RADIAL	
L502	5CPX479K--	COIL PEAKING	4.7UH K RADIAL	
L506	5CPZ100K04	COIL PEAKING	10UH 10.5MM K (LAL04TB)	
L507	5CPZ100K02	COIL PEAKING	10UH 3.5MM K (LAL02TB)	
L524	5CPZ100K02	COIL PEAKING	10UH 3.5MM K (LAL02TB)	
L551	5CPZ479K02	COIL PEAKING	4.7UH 3.5MM K (LAL02TB)	
L568	5CPZ100K02	COIL PEAKING	10UH 3.5MM K (LAL02TB)	
L601	5CPZ479K02	COIL PEAKING	4.7UH 3.5MM K (LAL02TB)	
L602	5CPZ100K02	COIL PEAKING	10UH 3.5MM K (LAL02TB)	
L603	5CPZ479K02	COIL PEAKING	4.7UH 3.5MM K (LAL02TB)	
L605	5CPZ479K02	COIL PEAKING	4.7UH 3.5MM K (LAL02TB)	
L650	5MC0000100	COIL BEAD	MD-5 (HC-3550)	
L709	5CPZ100K02	COIL PEAKING	10UH 3.5MM K (LAL02TB)	
L711	5CPZ100K02	COIL PEAKING	10UH 3.5MM K (LAL02TB)	
L713	5CPZ100K02	COIL PEAKING	10UH 3.5MM K (LAL02TB)	

△	Symbol No.	Part No.	Part Name	Description
	L730	5CPZ100K02	COIL PEAKING	10UH 3.5MM K (LAL02TB)
	L737	5CPZ100K02	COIL PEAKING	10UH 3.5MM K (LAL02TB)
	L742	5CPZ100K02	COIL PEAKING	10UH 3.5MM K (LAL02TB)
	L744	5CPZ100K02	COIL PEAKING	10UH 3.5MM K (LAL02TB)
	L801	5MC0000100	COIL BEAD	MD-5 (HC-3550)
	L802	58C9430599	COIL CHOKE	AZ-9004Y(94MH)
	LA01	5CPZ100K04	COIL PEAKING	10UH 10.5MM K (LAL04TB)
	LA02	5CPZ100K04	COIL PEAKING	10UH 10.5MM K (LAL04TB)
	LA03	5CPZ100K04	COIL PEAKING	10UH 10.5MM K (LAL04TB)
	LA04	5CPZ100K04	COIL PEAKING	10UH 10.5MM K (LAL04TB)
	LA06	5CPZ100K04	COIL PEAKING	10UH 10.5MM K (LAL04TB)
	LA07	5CPZ100K04	COIL PEAKING	10UH 10.5MM K (LAL04TB)
	LA08	5CPZ100K04	COIL PEAKING	10UH 10.5MM K (LAL04TB)
	LA09	5CPZ100K04	COIL PEAKING	10UH 10.5MM K (LAL04TB)
△	T401	50D25A2--	TRANS	DRIVE TD-25A2
△	T402	50H0000252	FBT	1362.5022
△	T801	50M493684	TRANS SMPS	2094.0074B
△	F801	5FSCB4022R	FUSE CERA	SEMKO F4AH 4A 250V MF51
	F801A	4857415001	CLIP FUSE	PFC5000-0702
	F801B	4857415001	CLIP FUSE	PFC5000-0702
	G900	45G0DY0001	SPARK GAP	SSG-102-A1(1.0KV)BULK
	G901	45G0DY0001	SPARK GAP	SSG-102-A1(1.0KV)BULK
	G902	45G0DY0001	SPARK GAP	SSG-102-A1(1.0KV)BULK
	G903	45G0DY0001	SPARK GAP	SSG-102-A1(1.0KV)BULK
	JP01	4859102130	JACK EARPHONE	YSC-1537
	JPA1	4859200401	SOCKET RGB	SR-21A1 (ANGLE TYPE)
	JPA2	4859200401	SOCKET RGB	SR-21A1 (ANGLE TYPE)
	JPA3	4859108450	JACK PIN BOARD	YSC03P-4120-14A
△	LF801	5PLF24A1--	FILTER LINE	LF-24A1
	M351	4858900002	HOLDER LED ASSY	LH-3P
△	SCT1	4859303530	SOCKET CRT	PCS629-03C
	SF1	5PK3953M--	FILTER SAW	K3953M
	SF2	5PK9650M--	FILTER SAW	K9650M
	SW700	5550101090	SW TACT	SKHV17910A
	SW701	5550101090	SW TACT	SKHV17910A
	SW702	5550101090	SW TACT	SKHV17910A
	SW703	5550101090	SW TACT	SKHV17910A
	SW704	5550101090	SW TACT	SKHV17910A
△	SW801	5540101143	SW PUSH	PS3-22SP (P.C.B)
	U100	4859724330	TUNER VARACTOR	TEDE9-320A
	X501	5XE20R250E	CRYSTAL QUARTZ	HC-49/U 20.2500MHZ 30PPM
	X502	5XE5X5R000E	CRYSTAL QUARTZ	HC-49/U 5.00MHZ 30PPM
	X601	5XE18R432E	CRYSTAL QUARTZ	HC-49/U 18.43200MHZ 30PPM
	X701	5XE6R0000C	CRYSTAL QUARTZ	HC-49/U 6.0000 MHZ 20PPM
	Z153	5PYXT5R5MB	FILTER CERA	XT5..5MB
	Z603	5PXF1B471M	FILTER EMI	CFI 06 B 1H 470PF
	Z604	5PXF1B471M	FILTER EMI	CFI 06 B 1H 470PF
	ZA20	5PXF1B471M	FILTER EMI	CFI 06 B 1H 470PF
	ZA21	5PXF1B471M	FILTER EMI	CFI 06 B 1H 470PF

PACKING



PACKING PARTS LIST

Ref. No.	Part No.	Part Name	Description
1	PBV5B2122	BOX	
2	4858199D01UP	PAD UP	2pcs in 1set
3	4858199D01DN	PAD DOWN	2pcs in 1set
4	4858215601	POLY BAG 25"-28"	
5	4858213801	BAG INSTRUCTION	
6	PMJV5A9322	MANUAL	Eng, Fre, Ger, Ita, Spa, Dut
7	48BC1514--	TRANSMITTER REMOCON (RM-C1514)	
8	AV-28NH4SU	BOX LABEL	
	BT-54013-6L	WARRANTY CARD	